THE CHEMIST AND DRUGGIST

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SINGLE COPIES 9d.

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THE BEST HOUSE FOR ALL
PHARMACEUTICAL
PRODUCTS

Proprietors of the "Silver Churn" Dairy Preparations.

OLDFIELD, PATTINSON & Co.
TELEGRAMS: "OPIUM."
PHONES: City 984 & 4038.
MANCHESTER.

A Summer Line

'Torch' Brand

Liver Saline

Showing 40% *on Turnover.*

ALLEN & HANBURYS LTD.
37, LOMBARD STREET, E.C.3.

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BUY IN THE RIGHT MARKET.

SEND FOR

May, Roberts' Traveller.

SEASONABLE LINES

LARGE SELECTION OF

BATHING CAPS
HOLDALLS
PADDLERS
SPONGES
WATER WINGS
etc.

BRUSHES
COMBS
MANICURE SETS
SPRAYS
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7-13 Clerkenwell Road,
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PLYMOUTH.

A New Size

In response to numerous requests from the public and trade, it has been decided to introduce a new size Glaxo

Retail 2/9 per tin

The new tin contains 10 ounces, and strikes the happy medium between the 1/6 tin containing 5 ounces and the 5/- tin containing 20 ounces.

Present Prices and Sizes of Full-Cream Glaxo.

Retail Price.	Small Orders.	Orders value not less than £6 net.	Orders value not less than £12 net.
1/6 per tin	14/5 per doz.	14/- per doz.	13/8 per doz.
2/9 ,, ,,	26/5 ,, ,,	25/9 ,, ,,	25/1 ,, ,,
5/- ,, ,,	48/- ,, ,,	46/9½ ,, ,,	45/7 ,, ,,

The Special Terms for goods to the value of not less than £6 net apply only when the Glaxo is ordered in complete dozens, with a minimum of 2 dozen for the 1/6 size. Carriage will be paid to the nearest railway station on goods to the value of not less than £4 net.

All orders should be addressed to the Dealer's usual Wholesaler, or to the Glaxo Distributing Agents, as follows :

SANGERS - - - 42a HAMPSTEAD ROAD, LONDON, N.W.1.
SANGERS - - OLD INFIRMARY BLDGS., NEWCASTLE-ON-TYNE.
WILLIAM HILL - - - - WATSON STREET, GLASGOW.
JOHNSON BROS. - - - GREAT SHIP STREET, DUBLIN.
JOHNSON BROS. - - - DUNCRUE STREET, BELFAST.

PROPRIETORS OF GLAXO: JOSEPH NATHAN & CO., LTD., LONDON & NEW ZEALAND

50% Profit on Your Outlay

ON WELL-ADVERTISED LINES.

All our Proprietary lines are on the P.A.T.A. List, and show you a profit of 50% on outlay or 33⅓ on returns. They can be obtained through all the leading Wholesale Houses, are well advert and attractively "got up."

We have just signed a contract for a further continuous press campaign which will c mence almost immediately. As we are anxious for the broadest publicity in our advertis 'Guaranteed and certified net sales' have naturally attracted a large proportion of our p advertising expenditure.

You will, therefore, be interested in the following particulars, which prove c clusively by chartered accountants' figures, that at least over six and a half mil newspaper readers will see our advertisements week after week.
The newspapers enumerated are a few of those included in our press campaign.

	Guaranteed Net Sales.
DAILY MAIL	1,372,000
DAILY MIRROR	1,002,882
DAILY SKETCH	920,000
SUNDAY PICTORIAL	2,360,000
SUNDAY HERALD	1,251,000
Total number of readers (guaranteed by chartered accountants' certificates) who will see our advertisements week after week.	6,905,882

Some of our Advertising copy

and now something more

ON ALL ORDERS BOOKED BEFORE JULY 30th NEXT.

now in addition to the handsome profit which our lines ordinarily show we are offering a further bonus on all individual quantity orders booked delivered before July 30th next.

vailing yourself of this offer you will be in a position to take full advantage e demand created by our advertising.

ve ask you to do in return is to stock **Decoltene, Dinkie,** and **'Diadem' plexion Wax**, these three being the lines on which we are concentrating ur advertising, and to prominently display these lines in your windows, for a period of at least two weeks between now and the end of July.

is our only condition, and we are willing to accept word that you will fulfil your promise. You will ably wish to take in addition a quantity of some of ther 'Diadem' preparations suitable for your trade.

following bonus will be allowed (subject to the above tions) on all individual orders booked and delivered e July 30th next.

ORDERS FOR

£10 and over, a bonus of £1

£20 " " " " " £3

Your order can be for assorted goods, but it must contain a quantity of DINKIE, DECOLTENE, and 'DIADEM' COMPLEXION WAX.

Also Cash Discount
5% off net amount for cash in Seven Days.

	P.A.T.A.	Trade Price.
Decoltene	3/9	30/- per doz.
Dinkie	2/6	20/- "
'Diadem' Complexion Wax	2/6	20/- "
" " (*Trial Size*)	4½d.	3/- "
" Face Powder	2/6	20/- "
" Vanishing Cream	3/9	30/- "
" Creme Rouge	2/6	20/- "
" Lily-Milk Soap	2/-	16/- "
" Talcum Powder	1/3	10/- "
" Parfum Sec	2/-	16/- "
" Bath Salt Concentrate	1/6	12/- "
" " (*Double Size*)	2/6	20/- "
" Sel de Bain (*20-oz.*)	3/6	28/- "
" " (*40-oz.*)	6/-	48/- "
" Eau de Cologne (*1-oz.*)	2/3	18/- "
" " (*2-oz.*)	4/3	34/- "
" " (*4-oz.*)	7/9	62/- "
" One Drop Concentrated Perfume (*In Gilt Cases*)	10½d.	6/6 "

DECOLTENE

THE SAFE & SURE LIQUID DEPILATORY, INSTANTLY REMOVES CONSPICUOUS AND UNSIGHTLY HAIR.

Per Bottle 3/9

"The Smooth Underarm"

Robartes Ltd.

Diadem House,
Leather Lane, London, E.C.1

CHEMISTS' EXHIBITION

Central Hall, Westminster.

June 20, 21, 22, 23 & 24.

We shall be delighted to see you at our

Stand No. 89.

Admission ticket gladly sent on request.

Dinkie

THE DAINTY DEODORANT. ENTIRELY ELIMINATES THE EMBARRASSING ODOUR OF PERSPIRATION.

Per Opal Jar 2/6

"Ideal for The Girl of Sports"

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(WHOLESALE QUANTITIES ONLY)

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Acetyl Salicylic Acid
Acid Lactic
Amidol
Amidopyrin
Barbitone
Benzoic Acid
Benzamine Hydrochlor.
Benzamine Lactate
Benzo-Naphthol
Beta-Naphthol
Bromides
Calcium Lactate
Chloral Hydrate
Cinchonine and Salts
Cinchonidine and Salts
Cocaine and Salts
Creosote Carbonate
Eucalyptus Oil
Gallic Acid
Glycerophosphates
Guaiacol Carbonate
Hexamine
Homatropine & Salts
Hydroquinone
Ichthyol Substitute
Kelene
Lemon Oil
Lithia Carbonate
Lecithin
Menthol
Mercurials
Methylene Blue Medicinal
Methyl Salicylate
Metol
Paraldehyde
Peppermint Oil
Pepsine
Peptone
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Quinine and Salts
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Resorcin
Saccharin
Salicylic Acid
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Salol
Soda Benzoate
Soda Hyposulphite
Soda Sulphite Anhydrous
Sugar of Milk
Tannic Acid Leviss
Tannin Albuminate
Tartaric Acid
Terpineol
Terpine Hydrate
Theobromine
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Vanillin

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78, FRONT STREET.

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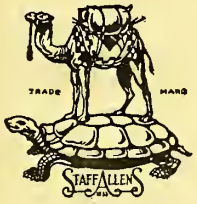

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Prepared from Herbs which grow on their own farms. As the fields surround the factory the Herbs arrive for treatment with all their medicinal properties unimpaired by delays in transit.

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A Special Health Salt

Packed in a Special Tin

Moorland Health Salts are fast becoming a national favourite, the agreeable exhilarating taste and perfectly clear sparkling solution making an instant appeal to all who purchase a tin.

The special air-tight tin, all seams of which are treated with a patent compound during manufacture, ensure the keeping qualities of the salt under all conditions. This is a unique feature appreciated by both the pharmacist and the public.

A fine pin-head granule which gives a continuous effervescence, a fixed selling price, and last, but not least—a good profit for you.

Many men have nearly sold out their first order—Have you?

Prices: 1 gross 6/6 doz. 3 gross 6/3 doz.
5 gross 6/- doz.
All with good show matter.

Retail per 10½d. tin. 3 for 2/6.

Retail 1/- tin. 3 for 2/9.

Here's another business-bringer

Moorland Lemonade Crystals are manufactured with a terpeneless Oil of Lemon and sugar. They have the real lemonade taste and odour, not the imitation.

A tin produces approximately two gallons of delicious, still lemonade, already sweetened for drinking. Pharmacists have been looking for a real lemonade producer and this is it —— Remember, Terpeneless Lemon and Sugar, packed in an air-tight tin, there is no improvement upon that. Sells at the fixed price of **1/-** per tin. 3 for **2/9**.

***Prices:* 7/6 per dozen. 1 gross 7/3 per dozen.**
5 gross 7/- per dozen.

Can't you sell a gross a week?

"Moorland Pharmacy Service."

W. B. CARTWRIGHT LTD
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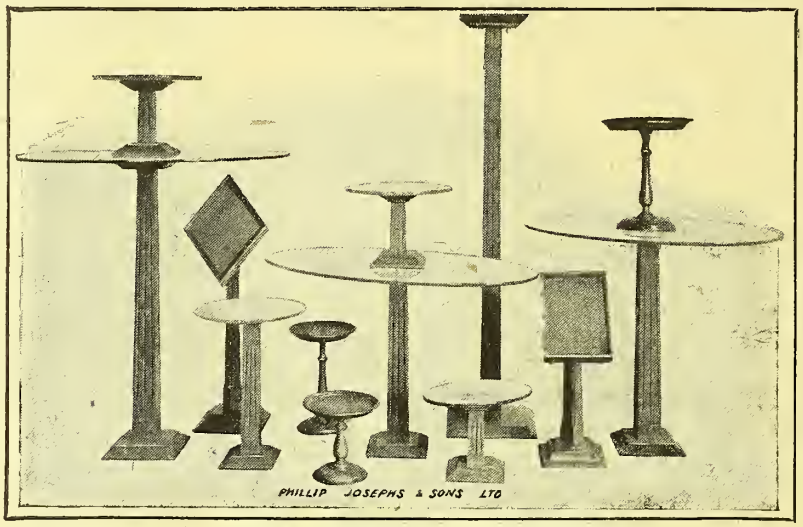
CORNER ALBERT & DURHAM STS AUCKLAND.

"Moorland Pharmacy Service."

Why not wash out obsolete
Adopt the modern, distinctive



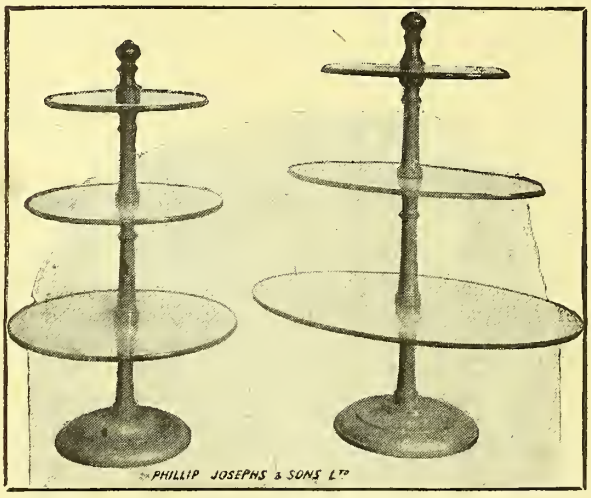
OAK DISPLAY STANDS

Polished edge glass shelves. All woodwork polished.

PACKING FREE.

Carriage Paid on all orders £5 and over.

Sample Pedestal and Shelf, 7/6 post free.

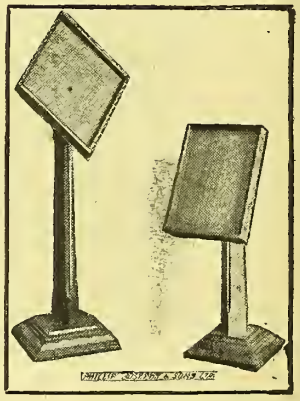


OAK DISPLAY STANDS

Three polished edge plate-glass shelves, for window or counter.

CIRCULAR. 3 Shelves. 14, 12 and 10 in. diameter, 35/- each.

OVAL. 3 Shelves. 22×14, 18×12, & 14×10 42/- each.



Tilting OAK-TOP PEDESTALS.

Loose Trays, either oblong or diamond.

12 in.	...	10/6 ea.
15 in.	...	11/6 „
18 in.	...	12/6 „

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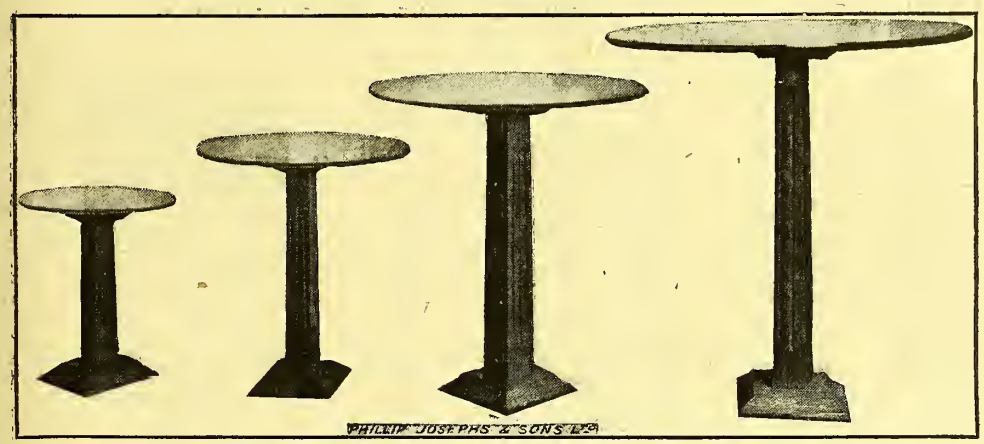


OAK PEDESTALS with PLATE GLASS SHELVES

Solid Oak Fluted Pedestals.

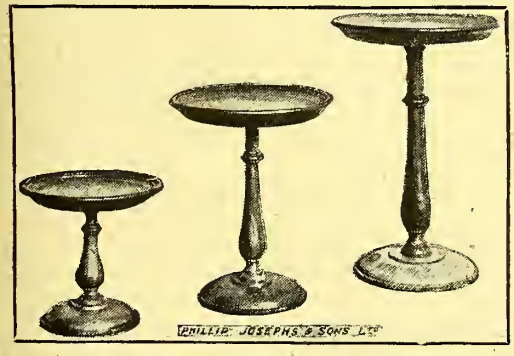
6 in.	3s. 9d.
9 ,,	4s. 0d.
12 ,,	4s. 6d.
15 ,,	5s. 0d.
18 ,,	5s. 9d.
24 ,,	6s. 6d.
30 ,,	7s. 6d.
36 ,,	8s. 9d.

PLATE GLASS SHELVES. All edges ground and polished.

OVALS.	CIRCLES.	OBLONGS.	SQUARES.
9 × 6 in. 4s. 0d.	7 in. ... 3s. 1d.	9 × 6 in. 2s. 6d.	7 in. ... 2s. 6d.
9 × 7 ,, 5s. 0d.	8 ,, ... 4s. 6d.	9 × 7 ,, 2s. 9d.	8 ,, ... 2s. 9d.
12 × 8 ,, 5s. 6d.	9 ,, ... 5s. 3d.	12 × 8 ,, 4s. 3d.	9 ,, ... 3s. 6d.
16 × 10 ,, 8s. 6d.	10 ,, ... 6s. 0d.	16 × 10 ,, 6s. 6d.	10 ,, ... 5s. 3d.
18 × 12 ,, 10s. 9d.	12 ,, ... 7s. 6d.	18 × 12 ,, 8s. 3d.	12 ,, ... 6s. 6d.
18 × 14 ,, 11s. 9d.	14 ,, ...10s. 6d.	18 × 14 ,, 8s. 9d.	14 ,, ... 8s. 3d.
20 × 14 ,, 12s. 9d.	16 ,, ...13s. 6d.	20 × 14 ,, 9s. 6d.	16 ,, ... 9s. 6d.
22 × 16 ,, 14s. 6d.	18 ,, ...15s. 0d.	22 × 16 ,, 12s. 9d.	18 ,, ...13s. 6d.

LARGER SIZED OBLONGS.

24 × 6 in. ... 6s. 6d.	27 × 12 in. ... 11s. 6d.	36 × 9 in. ... 12s. 0d.
24 × 9 ,, ... 8s. 0d.	30 × 6 ,, ... 8s. 6d.	36 × 12 ,, ... 14s. 6d.
24 × 12 ,, ... 10s. 0d.	30 × 9 ,, ... 10s. 0d.	42 × 6 ,, ... 10s. 6d.
27 × 6 ,, ... 7s. 6d.	30 × 12 ,, ... 12s. 6d.	42 × 9 ,, ... 13s. 6d.
27 × 9 ,, ... 9s. 6d.	36 × 6 ,, ... 9s. 6d.	42 × 12 ,, ... 16s. 6d.



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9 in. ... **4/6** ,,
12 in. ... **5/6** ,,

New, Artistic, Convenient.
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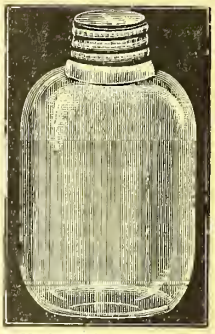
MEDICAL.

CHEMICAL & LABORATORY GLASSWARE, TEST TUBES, VIALS, BURETTES, SAMPLE TUBES, &c. &c.



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TUBES OF ALL SIZES.
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DOUCHE LINING.

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Maw's Page

June 11, 1921

No. 504

Our Open Invitation to Chemists

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These showrooms are a part of our service to our customers. They are arranged with the idea of offering suggestions that you can use in your own business. They reflect the spirit of enterprising progress that is the outstanding feature of the House of Maw.

We invite you to pay us a visit when you come to town. Even if you have no immediate purchases in view, the visit will be profitable.

When you come, make a point of visiting the "Parex" Parlour, the artistic apartment set aside for the rest and recreation of our visitors. The "Parex" Parlour is the last word in commercial enterprise. You will find it an artistic treat.

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The Obesity Cure.

The manufacturers beg to announce to the trade an alteration in the price of this Well-Advertised and Quick-Selling Proprietary as from 1st June, to

60/6 per dozen,

Selling at 6/6 per package.

This shows an increased profit to the retailer, the return on his outlay being approximately 30%.

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Manicure Preparations

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4.	,, Nail White ...	18/-	2/-
5.	,, ,, Polish Cake, White	18/-	2/-
6.	,, ,, ,, Pink	18/-	2/-
7.	,, ,, Trial Size	5/6	7½d.
22.	,, Nail Polish Stick, in metal tube	13/6	1/6
8.	,, ,, Powder	13/6	1/6
9.	,, Polishing Paste, Pink	18/-	2/-
10.	,, ,, ,, Plain	18/-	2/-
11.	,, Liquid Nail Enamel	22/6	2/6
13.	,, Cuticle Comfort ...	18/-	2/-
14.	,, Nail Bleach Powder	18/-	2/-
15.	,, ,, Rouge ...	18/-	2/-
16.	,, Compact Manicure Set	27/-	3/-
17.	,, Travelling ,, ,,	84/-	9/6
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MARSHALL'S Lysol GENUINE

"L" BRAND.

The ORIGINAL and ONLY GENUINE Product.

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WE have to announce that we have acquired the Lysol business, formerly carried on and owned by Schulke & Mayr, Hamburg, together with the Goodwill and all Trade Marks attaching thereto.—This purchase has been made by us in conjunction with the owners of the American rights in Lysol. The business has been purchased outright for cash and no reserved interest or royalty remains.

The attention of Pharmacists is specially directed to this announcement in order to avoid misunderstanding caused by mis-statement or misrepresentation of facts. Marshall's Lysol is made by us according to the formula always employed by Schulke & Mayr, and is therefore the Original and only Genuine preparation. All our packages will bear the Original Triangle Trade Mark at an early date, and will serve to distinguish our product from the many substitutes and imitations now being offered to the Pharmacist by all sorts of sellers. Reputable Pharmacists would be well advised to steer clear of such offers (although apparently tempting) and satisfy themselves and their customers by stocking and supplying only Marshall's Lysol.

Lysol REG. TRADE MARK

LYSOL, Ltd. Raynes Park, LONDON, S.W. 20

Makers of Lysol Soap—Ōsyl.

Lysol REG. TRADE MARK

AYRTON'S WEEKLY PAGE 15

Something for Nothing!!!

THE whole world loves a bargain, the opportunity of obtaining something for nothing is irresistible and the surest way of bringing increased patronage to your Pharmacy. During the next four weeks, with every order for 3 dozen

AYRTON'S HAIR PRESCRIPTION

the True Hair Grower and Tonic (P.A.T.A. Retail, **1/9** per bottle ; Wholesale, per doz. **14/-**), we will give you, free of charge, 36 Ayrton's C.N.O. (Cocoanut Oil) Shampoo Tablets. Each Tablet is enclosed in an envelope with a letter describing the merits of Ayrton's Hair Prescription, and bearing your name and address as the source of supply. Each sample is a potential business-bringer.

Write to-day for Specimen Letter and Sample Tablet of Ayrton's C.N.O. Shampoo.

London Agents for Ayrton Toilet Specialties:
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Manufacturing Chemists **Hanover Street, LIVERPOOL**

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"CRYSTAL PALACE" MARKING INK

6d. size in enlarged square Bottle (as illustrated)

16 YEARS ON THE P.A.T.A.

A STRAIGHT 6d. and 1/- LINE.

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6d. size, 4/3 doz. (30% profit); **1/- size, 8/- doz.** (33⅓% profit).

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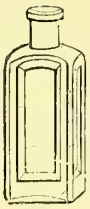

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Paste, Powder, Fluid

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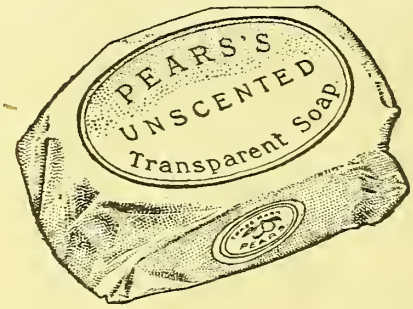

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SUNDRIES—
Best British Tooth Brushes, Hair Brushes, and Shaving Brushes. Mirrors, Manicure Requisites, etc.

FRANCIS NEWBERY
& Sons, Ltd.
LONDON & CARDIFF.

OPEN UNTIL JUNE 30, 1921

Special Bonus Offer

ON THE

"ERASMIC" Shaving Stick

With each order of 3 dozen and upwards we will supply 13 Sticks to the dozen.

Wholesale Price.		Retail Price.	
3 doz. Shaving Sticks at 9/6	£1-8-6	3 doz. Shaving Sticks at 15/-	£2-5-0
Less 5% discount ...	1-5	¼ doz. ditto, bonus ...	3-9
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PROFIT 80%

Carriage paid on 6 doz. Shaving Sticks or Assorted Parcels of £3 value.

"ERASMIC," Perfumers, WARRINGTON.

Soapmakers by Royal Appointment to H.M. King George V.

FOR

PURE TOILET & MEDICATED SOAPS

Chemists' Own Name Proprietary Brand Toilet Soaps

DISINFECTANTS AND HORTICULTURAL WASHES

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JUST A POSTCARD WILL DO.

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Where Quality Reigns Supreme

OUR WEEKLY MESSAGE.

THE CHEMISTS' EXHIBITION should be visited by every chemist who can possibly spare the time to go there.

***

In our opinion the only sure road to business progress is to examine all new lines and new propositions.

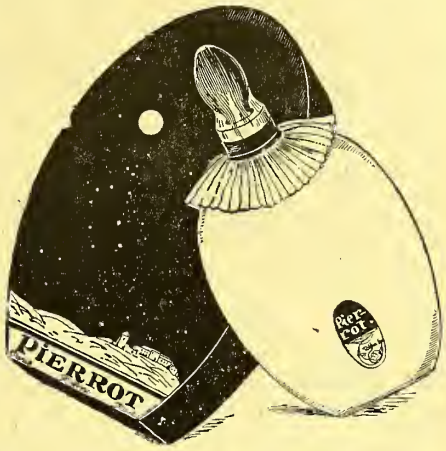
***

Any chemist visiting our stand No. 78 can have our lines fully explained and will in no manner be worried to buy, should he not wish to do so.

Paul Poiret's
ROSINE PERFUMES

THE SPEEDY WAY TO LARGER TURNOVER & BETTER PROFITS

The astonishing feature of the trade depression is that the sales of this series have hardly fallen off at all.
A stock of 1 dozen when sold shows over £6 profit, and we can furnish a first-rate selling proposition to you.



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POUDRE DE LUZY

PERFUMES de LUZY
CREME de LUZY

A unique and beautiful series that makes good friends and constant friends wherever it goes.

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Toilet goods that bring repeats

CREME de MAINTENON

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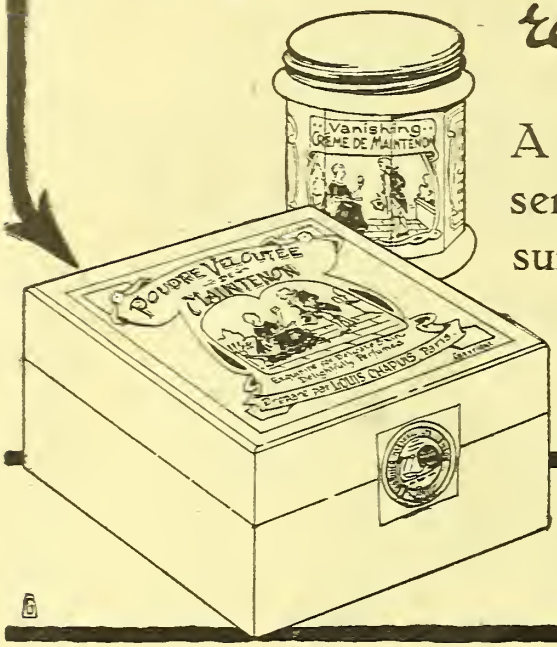

A very elegant series, delightfully Perfumed and suitable for high-class trade.

Creme
In white opal pots, 7/6 and 12/6 per dozen.

Poudre
Small, 4/6 per dozen. Large, 10/6 per dozen.

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YOUR INQUIRIES SOLICITED.

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High-class Concentrated Perfumes made with some of the finest flower oils from the South of France, in high-class rod-stoppered hexagon bottles with gold seals.

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PARMA VIOLET. SWEET PEA.
WHITE ROSE. WHITE LILAC.
WALLFLOWER. LILY OF THE VALLEY.

FREE FROM SPIRIT.

Above combination mounted on artistic card, displaying One Dozen Bottles.

A very attractive and good Selling Line.

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154 CHURCH LANE, HARPURHEY
MANCHESTER.

Good Sellers during the Hot Weather

"DURAPEDE"

A liquid application for tender and hot feet. No bathing necessary. It is applied to the feet with a sponge night and morning.

4-oz. bottles	-	**7/9 per doz.**
10 „ „	-	**14/6 „ „**

Name and Address printed free on 3 dozen lots. Showcards supplied.

LAURENCE'S ANTI-STING

A wonderful preventative against and a certain remedy for the Stings of Wasps, Bees, Mosquitoes, Gnats, Midges, &c.

AS A PREVENTATIVE.—Paint the exposed part of the body.

AS A REMEDY.—Apply one drop to the part affected, and renew at intervals until relief is obtained.

Packed in bottles, each in a distinctive carton.

Price 5/9 per dozen.

SAMPLES ON APPLICATION.

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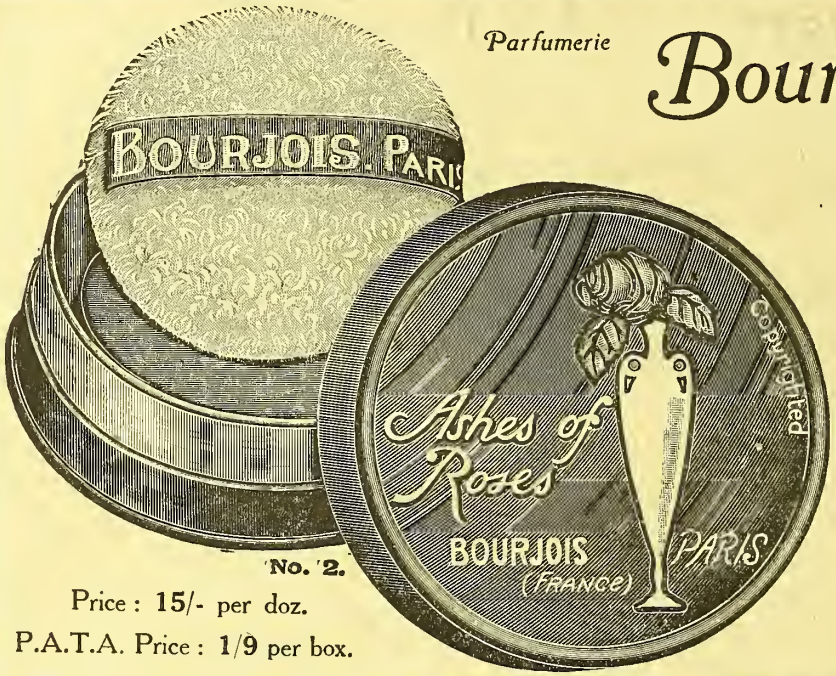

Parfumerie **Bourjois** *Paris*

The Celebrated

Ashes of Roses

(Solid Face Powder)

No. 2.

Price : 15/- per doz.

P.A.T.A. Price : 1/9 per box.

A. Bourjois & Cie, Ltd., 66 Carter Lane, London, E.C. 4.

Also manufacturers of the famous POUDRE de RIZ de JAVA { **No. 45, 10/-** per doz. P.A.T.A. **1/3** per box. **No. 495, 7/-** per doz. P.A.T.A. **10½d.** per box.

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USUAL WHOLESALERS, OR

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The Original & Successful Remedy for PYORRHŒA

Prescribed by the Dental Profession.

PRICES.

	Wholesale (including Government Duty)		Retail	
Dental Paste	... **22/-**	per doz.	,, 6d. **2/6**	per tube
Mouth Wash	... **44/- & 27/-**	,,	,, 1/- **5/- & 3/-**	,, bottle
Special Brush	... ... **24/-**	per doz.	**2/6**	each
Dental Tooth Powder (Large Size)	**18/-**	,,	**2/-**	,,

Of Wholesalers, or direct from

ORISAL Ltd., 77 George St., Portman Sq., W.1.

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Who are desirous of making a

PROFIT of 48 PER CENT.

on a quick-selling proprietary article are invited to write to—

The SPA TOILET CO.

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FOR FULL PARTICULARS.

We select one Chemist for one town or district of large town. *Write us TO-DAY.*

All CHEMISTS and DRUGGISTS

will find it worth while to stock

Rowlands' Macassar Oil

being on the P. A. T. A. List, cannot be sold under the advertised prices, viz.: **3/6, 7/- and 10/6** per bottle (Red or Golden), and therefore shows a fair margin of profit to the Retail Trade.

A. ROWLAND & SON
112 Guilford St., LONDON, W.C.1
(Late of 67 Hatton Garden).

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The Original Solid Eau de Co'ogne.
Refreshing to the forehead. Invaluable in heated atm sphere or when motoring.
Retail Min. (P.A.T.A.) 3/6. Who'esale 32/- doz.

SOLID ENGLISH LAVENDER *Same form and price.*

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In Pastille form. Delicious, Reliable.
Retail (P.A.T.A.) 2/3. Wholesale 21/- doz.

LEMON SQUASH

In tins containing 12 large tablets. Each makes a tumbler full. *Price per doz. tins 15/-.*

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A Nail Polish of Distinction.
Min. Retail 1/9 Wholesale 15/- doz.

R. Demuth's Laboratories,
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Shipkoff's Pure Otto of Rose

Nature ordained that Otto of Rose should have certain chemical and physical contents. Fakers design rose oils having the same contents, but they are not *Otto of Rose.*

Shipkoff's Otto of Rose is Nature's Otto.

Before placing your contract be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 & 4-oz. sizes.

ONCE TRIED—ALWAYS USED.

Highest Awards at all Universal Expositions, including Four Grand Prizes.

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Model Steam Factories in Kazanlik, Kalofer, Kerlovo and Rahmenlari. London Depot—
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HIGH CLASS
Synthetic
OTTO of ROSE
ARTIFICIAL VIOLET & LILAC
at prices which DEFY Competition.
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Price on Application.

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Re Antiseptic Toilet and Baby Powder, J. & J.

To gain the confidence of your customers is the keynote to SUCCESS. You are SAFE in recommending this powder; it has many rivals but no equal. BEST FOR TOILET, BEST FOR NURSERY. It will bring customers back to your Pharmacy over and over again for more, the QUALITY compels this, and that is what is wanted. Moreover, the customers' presence offers the opportunity to sell them something else.

Yours faithfully,

JOHN TIMPSON & CO., LTD.
Agents for JOHNSON & JOHNSON.

DISPENSING BOTTLES.

SPECIAL OFFER.

English WHITE Glass Flats
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Also **Vials** and **Blue Poisons** at very low prices.

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COMPETITIVE PRICES
FOR
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IN
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STOCKED IN FOUR SIZES.
Actual Manufacturers:—
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¶ In every leading Ladies' Weekly and Monthly throughout Great Britain clever "copy" and striking illustrations are convincing the public of the superiority and economy of using "Fairy Dyes" and no others for every home need.

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¶ Do you want to increase your sales, your repeat orders, your turnover, with a dye that is easy to sell because it is so simple and so easy to use? There is a choice of twenty-two shades suitable for cottons, woollens, linens or silk, and already "Fairy Dyes" are recognised to be most reliable and economical.

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Telegrams: "Fairyland Glasgow." *Phone:* 1902 Douglas.
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Attractive in Appearance, Reliable in Quality and Delicately Perfumed.

SEASONABLE **SALEABLE**

Suitable for High-Class Trade.

Bear our Trade Mark as a Guarantee of Quality.

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No. 4764. 2-oz. size.
13/- doz.

No. 4766. 2-oz. size.
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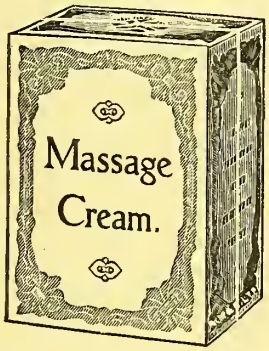

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Invaluable for all Toilet Purposes.

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13/- doz.

CHAMOMILE,
CHAMOMILE & ROSEMARY, PINE.
No. 4747. 7 packets in carton.
12/- doz. cartons.

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Each in Artistic Carton with Transparent Covering.

ASSORTED PERFUMES.
No. 4762. 2-oz. size.
12/6 doz.

SPECIAL QUOTATIONS FOR LARGE QUANTITIES.

Subject to 2½ per cent. Cash Discount.
A copy of our Monthly Illustrated List will be sent on application.

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89, 91, 93 & 95 City Road, Finsbury, E.C.1. Tel. No.: Clerkenwell 1260 (2 lines); and
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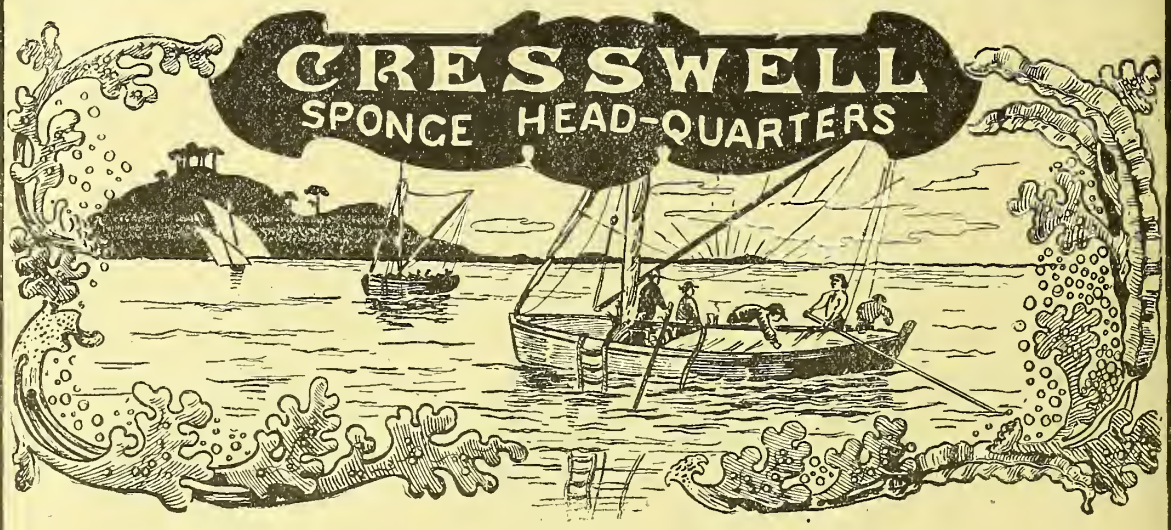
Factory, 41 to 53 Britannia Row, Islington, N.



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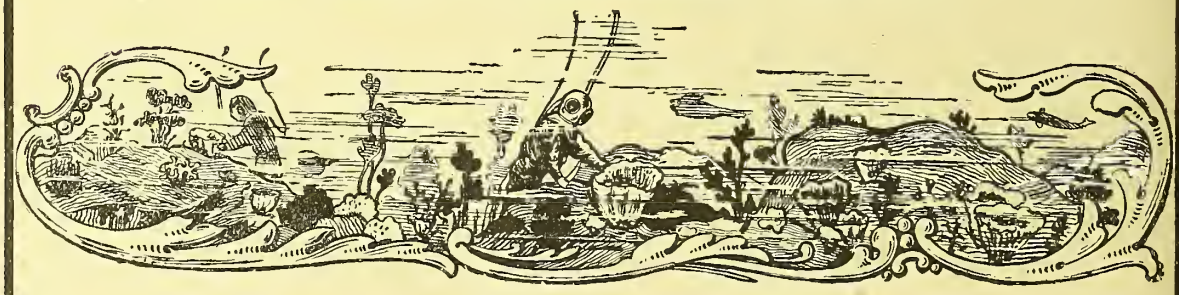

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Silkum is one of our most successful lines—a plaster on silk with adhesive discs to hold it in position. Some chemists pay their rent out of Silkum alone, why not YOU ?

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In a 5-gross lot, Silkum costs **45/-** per gross or **3¾d.** per packet. A packet sells for **7½d.** Your profit on this quantity is **£11 5s.**

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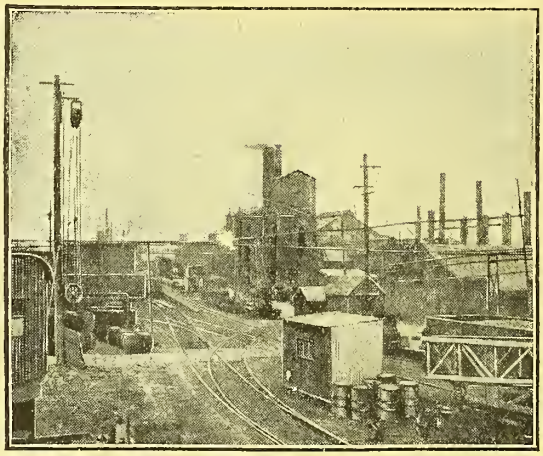

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THE CHEMIST AND DRUGGIST

ESTAB 1859

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

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CĂTRE CITITORII NOŞTRII ROMÂNI.

FAPTUL că o comandă importantă pentru chemicale şi droguri farmaceutice a fost plasată din România la o firmă englesă de fabricanţi de chemicale, arată în chip destul de clar că cumpărătorii români apreciază valoarea produselor englese. Este intenţiunea şi dorinţa gazetei noastre THE CHEMIST AND DRUGGIST (Farmacistul şi Drogistul) de a crea şi desvolta legăturile de prietenie pe care le am început în timpul răsboiului mondial. Ştim că există obstacole şi greutăţi în timpul de faţă şi cel mai important obstacol este lipsa de înlesniri de credit; Guvernul engles a luat decisiunea de a finanţa şi subsidia pe exportatorii cari fac afaceri cu România. Nu există îndoeală că aceste dispositiuni au avut efectul dorit prin faptul că exportul cu România a crescut în mod miraculos. Statisticele oficiale recente probează că în trimestrul de Januarie până la 31 Martie 1921, mărfuri în valoare de 2,572,719 livre sterlinge (566 mil. lei) au fost exportate din Marea Britanie în România. Comparând această sumă cu modesta sumă de 312,820 de livre sterlinge pentru o perioadă analoagă în anul 1913 va dovedi avansul colosal ce s'a făcut în comerciul anglo-român. De asemenea România a exportat către Anglia în Januarie, Februare şi Martie 1921 mărfuri şi produse în valoare de 676,887 livre sterlinge, iar în anul 1920, primul trimestru 77,202 livre şi în aceaşi perioadă în 1913 numai 327,027 livre sterlinge. Incă o divadă de posibilitatea unui comerciu mai activ între aceste două state, în ce priveşte droguri chemicale şi produse de accastă natură, se poate vedea din faptul că din importul total a României în anul 1913 în valoarea de 600 mil. franci; 60 de milioane au fost din Anglia şi 14 milione din această sumă sunt pentru chemicale şi droguri. România ar trebui să ne exporteze nu numai petrol şi grâne, dar şi alte produse, ca vinuri, drojdi pentru fabricarea de acid tartaric, şi neîndoit posibilitatea există de a ne furnisa produse brute pentru fabricarea diferitelor extracte şi esenţe medicinale. Atragem atenţiunea Confraţilor noştri români, că gazeta noastră; una din cele mai cunoscute gazete din imperiul britanic; şi biroul ei de informaţii comerciale; sunt puse la dispositia lor şi că suntem gata de a le da ori ce informaţiuni ce ar dori şi de a primi comunicări din ţară. Comunicarile pot fi în româneşte şi răspunsurile noastre de aseminea vor fi in româneşte. Dorind noroc şi succes comerciului anglo-român, trimitem salutările noastre Confraţilor şi Colegilor noştri din România.

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English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Poison-licence Refused.

An application was heard on June 4 by the Agricultural Committee of the Cambridgeshire County Council for a licence to sell poisons for horticultural purposes. The applicant was the secretary of the Cottenham Allotments and Small Holdings Committee. Mr. H. F. Cook, J.P., C.C., and Mr. Arthur Deck, Vice-President and secretary respectively of the Cambridge and District Pharmaceutical Association, opposed the grant of the licence on the grounds that the applicant was in close proximity to a registered chemist and druggist (Mr. A. Holdgate), and that it was unnecessary to grant further facilities. It was also urged that the necessary supervision and extra work entailed on the county officials made the grant of another licence quite undesirable. The licence was refused.

The British Chemical Trade Association.

In their Bulletin of June 7 the Association deal with a number of interesting subjects, including the German Reparation (Recovery) Act, 1921, and the Safeguarding of Key Industries Bill. The Association have made, and are still making, the fullest use of their Parliamentary propaganda in opposition to the Bill, and their efforts have already had a marked effect. They are, however, of the opinion that, despite the feeling against the Bill, the Government will succeed by using the "gag" in passing it through the House of Commons this session. The Association have reason for saying that very strong opposition against this Bill will be met with in the House of Lords, where discussion will not be cut short by the "gag" and where voting is carried out in an altogether different atmosphere. Continuing, the Association say, "We shall not be surprised if this Bill is thrown out by the Upper Chamber. Should the Government, however, obtain the power to enforce this legislation, goods coming from Germany will be liable to the following taxes: 26 per cent. under the German Reparation (Recovery) Act and 33⅓ per cent. under the Safeguarding of Key Industries Act. We also have good reason for informing members that the German Government intend in the near future to impose an export tax on all goods leaving Germany, which will bring the total of the various duties on goods coming from Germany to England up to about 75 per cent." The Customs have advised the Association that the declarations of British Consuls abroad certifying the goods as being of other than German origin are not now necessary, and that they, the Customs, are prepared to accept a sworn declaration of the shipper to the effect that the goods in question are not of German origin.

C C

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Birmingham.

The local water charges are to be increased by 50 per cent.

Several benches at the municipal technical school have been booked for the next session.

Street hawkers are now forbidden to ply their trade with barrows in Bull Street and certain other main thoroughfares.

The generosity of Mrs. Barrow Cadbury has enabled the proposal for a hostel for children on probation to be carried out.

The increasing number of associations and their inevitable subscriptions are giving rise to some caustic criticism in this district.

B. C. Tipper & Son and the employees of the Balsall Heath Drug Mills are sending 5*l.* weekly to the Lord Mayor's relief fund.

Among the local pharmacists who propose attending the Scarborough Conference are Messrs. Atkinson, Lloyd, Mann, Smith, and Jeffrey Poole.

There is considerable irritation in the city over the proposed increase of postal rates. It is felt that orders for medicine by parcel post will be reduced to vanishing-point.

The Lord Mayor is to entertain the French ambassador to a luncheon on July 19, and a garden-party will be held at the residence of Mr. and Mrs. George Cadbury, Northfield, in the evening.

Mr. E. H. F. Mills, M.A., secretary of the University Library, Cambridge, has been appointed to succeed Mr. W. H. Cope, librarian of Birmingham University, who has held that office since its foundation and is retiring shortly.

Mr. Gerald Baynton, Moseley, an experimenter in wireless telephony, who informed the "Mail" that he was successful in receiving the Derby result, is a son of Mr. C. S. Baynton, chemist and druggist and photographic-apparatus maker, New Street.

Liverpool.

Business drags rather wearily while awaiting the tardy progress of the coal-trade negotiations, but the state of trade generally seems to brighten.

A nasal catarrh, which suggests a mild type of hay-fever, has been prevalent in the Liverpool district for months—and it does not readily yield to treatment.

Few lines have recovered their place in window-displays and sales so rapidly as cameras and photographic materials. The work of the Liverpool Amateur Photographic Society has probably contributed to this recovery.

"We haven't much money, but we do see life—even without a motor-car." Thus writes the pharmacist-philosopher, as he sees delegates departing, or preparing to depart, for the Scarborough Conference. Some think of breaking their journey at York.

"As a contrast in railway fares," writes a correspondent, "I can remember travelling from Sheffield to Scarborough and back in a day, nearly 200 miles, for 9*d.*, the actual excursion fare paid to the railway company being 1*s.* 9*d.* To-day the like journey, if feasible at all, would cost a schoolboy about 1*l.*"

The following pleasing—and true—story helps to make it plain why the Post Office is run at a loss. For more than twelve months a Liverpool pharmacist sent in complaints that he could not hear telephoned messages—obviously a serious matter where prescriptions are concerned. Men came and went, looking wise, and as the result of their comings and goings a new instrument was installed. This kept in good order for just a fortnight, and then, the pharmacist saying "Cut it down!" or words to that effect, it was removed. The sequel, if this were a novel, might be entitled "The Pharmacist's Revenge." One day, a long time after the aforesaid removal, other men climbed up to the pharmacist's roof with ropes and tackle; after a day's work the foreman entered the shop and solemnly announced that a new wire had been laid on. The expression on his face when he heard where the instrument was almost paid for the long-continued annoyance.

Manchester.

Several pharmacies are in the decorators' hands.

Bury, Ltd., chemists, St. Ann Street, have a "special offer" window-show of soaps, brushes, and tooth-paste at 25 per cent. reduction.

Very few Manchester chemists are able to visit the British Pharmaceutical Conference at Scarborough, owing to unforeseen and vexatious circumstances.

Business is not at all brisk in pharmacy in the district. The trouble in the cotton industry, following the coal stoppage, has made a great difference to the returns in most pharmacies in Cottonopolis. The figures of the Manchester Bankers' Clearing House are surprisingly low.

Among the more important exhibitors at the National Efficiency Exhibition, Belle Vue, briefly referred to in our last week's issue (p. 42), are the Anglo-American Oil Co., Ltd., the Iron Jelloid Co., Ltd., the Silvronit Chemical Co., and James Woolley, Sons & Co., Ltd. The exhibition closes on June 11.

Chemists in Manchester and the district are asked to keep Wednesday, July 6, open. The annual picnic of the Manchester Pharmaceutical Association takes place on that date, and the place selected is Buxton. Excellent arrangements have been made for catering and a thoroughly enjoyable outing (by charabanc) is promised.

Sheffield.

Sincere sympathy will be felt for Mr. M. T. Miner, Ph.C., who has not been well for some time and is now confined to his bed.

Students who have exhausted their Government grant and are still unqualified should put their case before the local Society's secretary.

Pharmacists interested in window-dressing should cast their eyes on 27 High Street. G. W. T. Newsholme, Ltd., are considered to possess one of the most original window-dressers in the country.

There are ten candidates for the six vacancies on the Council of the Sheffield Pharmaceutical and Chemical Society. The results of the election will be declared at the annual meeting on June 22.

Mr. J. M. T. Reynolds, chemist and druggist, has been appointed territorial manager for the London district of Boots, Ltd. Mr. Reynolds has been an active member of the Sheffield Pharmaceutical Committee.

An intending visitor to the Pharmaceutical Conference, who has entered for, and set his mind on gaining, one of the bowling prizes, has gone into strict training. His chances, according to another member, are excellent—"provided there are no other competitors!"

Sheffield is to be well represented at the Pharmaceutical Society's annual dinner in London, and quite a number of local pharmacists are going to the Scarborough conference. Some of the younger chemists are needed to strengthen the Conference membership: Mr. Antcliffe will be pleased to supply all particulars.

Dr. Mellanby, professor of pharmacology in the University of Sheffield, is giving a course of lectures in London on certain effects of foodstuffs in the production and treatment of disease. At the first lecture Dr. Mellanby illustrated the anti-rachitic action of fats, pointing out that the best were cod-liver oil, butter, and suet; peanut oil, lard, cottonseed oil, and rape oil were only moderately good. Vegetable fats contained a smaller quantity of vitamines than animal fats. Bread was a potent factor in the development of rachitis. Meat with all the fat off had an anti-rachitic effect, while the contrary was the case with bread.

Miscellaneous.

Fire.—An outbreak of fire occurred, on June 4, in premises occupied by Sapounakis, Thomas & Co., sponge importers, 94 Tabernacle Street, London, E.C. 2. The top of the building was damaged, most of the roof being destroyed.

Medical Act Case.—At Guildhall Police Court, London, on June 8, Edward O. Blacklin, Vale Road, St. Leonards

on-Sea, described as of no occupation, was fined 20*l.*, with 5*l.* costs, for taking the name and style of a licentiate in medicine and surgery.

REQUEST FOR PENNY POSTAGE.—At a recent meeting of the Bath chamber of commerce a resolution in favour of reversion to penny postage, moved by the President, Mr. David A. Evans, chemist and druggist (proprietor of Steele & Marsh), was carried unanimously.

ATTEMPTED-MURDER CHARGE.—At Westminster Police Court, on June 4, Charles H. Hayward was committed for trial on charges including that of attempting to murder Mr. A. W. Temple, chemist and druggist, Churton Street, S.W. 1 (*C. & D.*, June 4, p. 43).

SALE OF FOOD AND DRUGS ACTS.—The public analyst for Kensington (London) states in his recent quarterly report that during the period under review one sample of calomel ointment was found to be deficient in the amount of calomel required by the British Pharmacopœia.

WHOLESALE DRUGGISTS' CRICKET CHAMPIONSHIP.—Allenburys, on their own ground, Salisbury Hall Farm, Walthamstow, London, E., defeated The British Drug Houses, on June 4, by 33 runs, the scores being 65 and 32 respectively. Blick, for Allenburys, took five wickets for ten runs.

COMMITTEE ON STREET TRADING.—It was mentioned at a meeting of the London and Suburban Traders' Federation, held on May 7, that a Committee for the regulation of street trading was about to meet at the Home Office. One of the speakers instanced cases in which one man had five or six stalls.

THE MUNICIPAL SUPPLY OF DISINFECTANTS.—At the meeting of the Finsbury borough council, on June 2, a motion instructing the public health committee to consider the advisability of providing disinfectants for the use of the inhabitants in their dwellings was lost. Dr. Galloway, a member of the council, remarked that the practice of using disinfectants was not based on any good results.

DOCTOR'S IMPUTATION ON A SERUM.—In the course of an inquest at the London Hospital, E. 1, on June 8, on the body of a carter named Higgs, Dr. E. V. Beale, house-surgeon, stated in evidence that when the patient arrived at the hospital tetanus was in an advanced stage. The recognised serum was injected each day until death took place. A *post-mortem* examination disclosed the fact that meningitis was present. The last three cases of tetanus at the London Hospital had shown the same development, apparently caused by the serum, a bacteriological examination of which was now being made. It was impossible to decide whether the immediate cause of death was tetanus or meningitis. He could not say that the serum was unsatisfactory until the bacteriological results had been ascertained. The coroner found that death was due to tetanus, and, in recording a verdict of "Accidental death," said he would report the facts to the hospital authorities, and make sure that a serum of that sort was not used again.

CHARGE OF FRAUD AND OF FALSE PRETENCES.—At Westminster Police Court, London, on June 6, Frank Miles (46), Rectory Chambers, Chelsea, S.W., described as a perfumer, was remanded on a charge of fraud and false pretences. It was stated that the prosecutor, Mr. Henry George Mayhew, answered an advertisement in a newspaper last April for a director with 500*l.* He had an interview with Miles, who said that he was a rose-grower and perfumer converting his business into a company with a capital of 20,000*l.*, with a directorate which included Lady Diana Cooper and Miss Viola Tree, who had respectively paid him 500*l.* and 250*l.* for shares. Defendant showed prosecutor various samples of perfumes and toilet-requisites, and stated that he had a factory at Whetstone. Prosecutor, promised a salary of 300*l.* a year, consented to become a director, and paid 250*l.* on account. Some time later he wanted his money back, but had been unable to obtain it. The ladies referred to in the opening statement gave evidence denying that they had promised to subscribe capital, and professing ignorance of company business. The company was to be known as Rosarian, Ltd.

VENEREAL DISEASES.—The Ministry of Health is advising local authorities with regard to the policy of the Ministry as to the prevention and treatment of venereal diseases. The circular adds: "The Minister considers it desirable to state that, although he is not empowered to give an authoritative interpretation of the provisions of any Act of Parliament, he is advised that a chemist does not commit an offence by selling any substances for which he is asked, merely because those substances are capable of being used as disinfectants against venereal diseases, so long as the substances are not sold accompanied by any written or printed recommendations or instructions as to use. It should be carefully borne in mind that by sections 1 and 2 (1) of the same Act, an offence is committed by any person (other than a duly qualified medical practitioner) who for reward, direct or indirect, treats, prescribes for, or offers advice in connection with the treatment of venereal disease, and by any person who does any of these things or even offers to do them, by advertisement, public notice, or announcement." [Perhaps in the near future it will dawn on the Minister of Health that chemical substances are not gramophone records and cannot proclaim their uses to ignorant purchasers.—EDITOR.]

IN THE COURTS.—At Tower Bridge Police Court, London, on June 2, William H. Stoneman was committed for trial on a charge of embezzling cheques, the property of H. S. Lovell & Co., manufacturing and export chemists (*C. & D.*, June 4, p. 43); a further charge of breaking into Messrs. Lovell's premises was withdrawn, and bail was allowed.—At Middlesex Sessions, on June 3, George C. Mason, described as an insurance clerk, was sentenced to nine months' imprisonment for obtaining money by false pretences from Lady Glyn-Jones and others. It appeared that Mason posed as a collector for a hospital.—At Marlborough Street Police Court, on June 4, Frederick Masters, described as a motor-driver, was sentenced to six months' hard labour for being in unauthorised possession of cocaine, twenty-one "packets" of which were said to have been found on him when arrested. It was explained in court that the Regulations of the Dangerous Drugs Act were not yet in operation.—At Croydon Police Court, on June 7, Edmund Veness, chemist's assistant, charged on remand with attempting to obtain money by false pretences (*C. & D.*, May 28, p. 51), was bound over and placed on probation.

Poisonings.

THE following cases of fatal poisoning have been recorded since our last report:

An inquest was held in North-West London on June 3 on the body of Charles King, a patient at a hospital in Endsleigh Gardens, who, the evidence showed, died after being given a tablespoonful of oil of chenopodium three times in one day. Dr. B. H. Spilsbury said that death was due to poisoning by the oil. He had not heard of the drug being used in this country, but he had known of its employment in tropical countries. Evidence was given that the dispenser misinterpreted the prescription. A verdict of "Death by misadventure" was recorded.

An inquest was opened at Weston Favel on June 1 on the body of Mabel Lillian Rodgers, wife of a veterinary surgeon and a guest at the Rectory, who died on the previous day. Evidence showed that some bottles containing poisonous substances were found in the deceased's bedroom, together with an empty box and vial labelled "Hypodermic tablets of cocaine, 4½ gr., for veterinary use only." Dr. E. J. Jennings said that he had made a *post-mortem* examination, but was unable to certify the cause of death. Of the bottles produced one contained iodine, another contained throat-tablets, which were harmless, unless taken in large quantities, and a third had a preparation for inhalation which contained creosote. Referring to the cocaine-containers, he added that 4½ gr. was an enormous dose; in fact he was surprised to know that a horse could stand it. It was a recognised fact that ⅓ gr. could kill a person if injected under the skin. The inquest was adjourned.

Irish News.

Pharmaceutical Society of Ireland.

The latest dates for making applications for the July examinations are Thursday, June 23, for Preliminary examination; Tuesday, June 28, for Registered Druggist examination; Wednesday, June 29, for Pharmaceutical Licence examination; Monday, July 4, for Pharmaceutical Assistant examination. Applications should be lodged with the Registrar not later than 11 A.M. on the respective dates.

The Calendar of the Pharmaceutical Society of Ireland for the year 1921 has been issued, and is obtainable (4*s*. 5*d*., post free) from the Registrar of the Society, 67 Lower Mount Street, Dublin. It has been corrected to December 14, 1920, and is also brought up to date by the inclusion of last year's examination papers. The introduction of advertisements, decided on by the Council last year, is a novel feature. The book as a whole is indispensable to anyone desiring official information concerning Irish pharmacy and the Society.

Belfast.

A memorial tablet was unveiled recently in the "McMullan" Electrical Laboratory at Methodist College, Belfast. Mesrs. William, Thomas, and Frank McMullan (Thomas McMullan & Co., Ltd., wholesale druggists, Belfast), nephews of the late Rev. Wallace McMullan, D.D., to whom the laboratory is dedicated, were present. Sir William Whitla, M.P., Ph.C., unveiled the tablet. Mr. Wm. McMullan, in proposing a vote of thanks to Sir William Whitla, said it was appropriate that the new electrical laboratory should bear the name of his uncle, as the study of electricity had long occupied his attention.

McMullan Challenge Cup.

The annual competition for the "McMullan Challenge Cup" was played on the course of the Bangor Golf Club on May 31. About forty competitors took part, the following being the lowest cards returned in the preliminary stroke competition:

Class A.—A. Leitch, 89 − 14 = 75 net; S. R. Anderson, 92 − 16 = 76; J. M. Poots, 95 − 16 = 79; R. Crawford, 93 − 14 = 79.

Class B.—A. Morris, 97 − 18 = 79 net; L. Dobbin, 103 − 22 = 81; J. S. Balmer, 108 − 22 = 86.

Photo.] [*A. R. Hogg, Belfast.*

In the eighteen-hole match, played between A. Leitch and A. Morris, Mr. Leitch proved the winner by 6 and 4. The party was entertained to luncheon by Mr. T. W. McMullan, M.P., who extended a cordial welcome to those present. A vote of thanks to Mr. McMullan for his hospitality was passed by Mr. W. J. Hardy, who congratulated the host on his election to the Northern Parliament. The following were elected as the Council for the ensuing year: *President*, Mr. William McMullan; *Vice-Presidents*, Messrs. H. G. Pring, W. J. Hardy, H. R. Haslett, and T. W. McMullan, M.P.; *Committee*, Messrs. J. Dundee, J. Macauley, A. W. Mann, A. Morris, J. M. Poots, J. Breakey, and A. Leitch; *Treasurer*, Mr. H. McRoberts; and *Secretary*, Mr. W. J. Rankin, jun. A vote of thanks was passed to Mr. W. J. Rankin, who carried out the arrangements.

Brevities.

Mr. Andrew Carlisle McBride, Ph.C., Armagh, has been appointed to the Commission of the Peace for the county.

At the annual meeting of Ballymena Golf Club, Mr. J. A. Woodside, Ph.C., was re-elected captain. A vote of thanks was passed to Mr. and Mrs. Woodside and the ladies of the club for their hospitality to the members of the club during the past year.

At Castleblaney Quarter Sessions, Mr. Robert Spence, R.D., Main Street, claimed to recover compensation for the loss of goods in transit for Belfast. These goods were burnt, with others, from Belfast at Inniskeen railway station on March 14. A guard of the train stated that they were held up by armed men, and the contents of one of the wagons were set on fire. A decree for 24*l*. 5*s*. was given.

Scottish News.

Brevities.

The cost of printed labels seems to be on the decline.

The balances of Insurance accounts for the year 1920 are now being paid.

Rexallites do not appear to be taking kindly to the proposal that they should sell Regesan brand articles in exchange for the monopoly of the sale of Rexall goods.

An application for a licence under Section 2 of the Poisons and Pharmacy Act, 1908, by Learmont, Hunter & King, Ltd., has been granted by the Dumfries Town Council.

During the recent visit of the delegation of the National Retail Dry Goods Associations of America and Canada to Dundee both visitors and visited wore a badge on which their name was displayed, and by this means introductions were dispensed with.

"Chemists are getting just a little tired of the many salesmanship Yankeeisms," writes a correspondent. "Such methods as are continually thrust upon the trade in booklets, postcards, etc., may work in America, but we know best the methods suited to our country. 'Work without noise' is the British chemists' slogan."

The annual competition for the Petrie Trust Bursary, which will be held shortly, is open to any student-associate who has completed three years' apprenticeship in the city or county of Aberdeen. The subjects of the examination are dispensing, pharmacy, and business methods. Further particulars may be obtained from Mr. H. M. Dugan, 275 Holburn Street, Aberdeen.

Over 100 entries have been received for the competition for the Scottish chemists' golf trophy (*C. & D.*, June 4, p. 44), all parts of the country being represented. The attention of competitors is drawn to the fact that "standard balls" must be used. The charabanc for the Edinburgh and East of Scotland entrants is to start from Edinburgh not later than 6.40 A.M.

Edinburgh.

It is announced that the British Medical Association is to receive deputations from the local chemists and the Public Health Committee on the question of the utilisation of the "night-bell" for the convenience of the public.

Preparations have been going on for some considerable time in view of the twelfth annual convention of the International Association of Rotary Clubs, to be held here from June 11 to 16. It is expected that about 2,500 delegates, representing nearly every European and Asiatic country, will be present.

The employees of Harkness, Beaumont & Co., manufacturing chemists, Leith, took part in an enjoyable picnic on June 4. The company, numbering about seventy, motored to the estate of Elphinston, near Longniddry, where sports were held. Keenly contested five-a-side football formed a prominent feature of the programme, the ladies' tie creating great interest.

Roumanian News.

Olive Oil Substitutes.—On account of the dearness and adulteration of olive oil the Roumanian pharmacists are asking the authorities to allow them to use indigenous oils wherever practicable in official pharmaceutical preparations.

Checking Quality.—According to a decision of the Chemical and Pharmaceutical Commission, pharmacists are requested in future to analyse themselves all drugs and preparations bought from chemical societies and laboratories.

Imports of Medicines.—By an Order in Council (No. 2274) issued to the Customs authorities and to the General Sanitary Administration the Roumanian Government announces that the importation of medicines, except when addressed to pharmacists and druggists and original invoices from senders being produced, will not be allowed henceforward. The practice of having medicines addressed to private people and passed on to chemists or druggists will be stopped in future.

Roumanian Pharmacy.

At the present time Roumanian pharmacy is undergoing one of those processes of evolution which are usually forced on human affairs by violent social upheavals. Before 1914 Roumanian pharmacy was a highly protected profession. It was ruled and fed by the Home Office through the Superior Sanitary Council. Pharmacies were strictly limited to the size of population. Great privileges, such as absolute ownership and right of disposal, including inheritance, were granted to the pharmacist; though, truly enough, he had to obtain that right by competitive examination. Prices were fixed by the Sanitary Council and all competition excluded, except the hardly tolerated druggist in a few towns. Apprentices and qualified assistants had long hours, indoor service, and very modest pay. The pharmacist owner had plenty of time to take active part in politics, and sooner or later to become a deputy (M.P.) or senator. In spite of this happy state of affairs Roumanian pharmacy made no progress whatever in any direction, and proved a rich and inexhaustible market for German and Austrian chemical manufacturers. It is not only the geographical position, but the fact that the first Roumanian pharmacists were Austrian immigrants that contributed to securing an absolute preponderance of German influence, which survives even now.

The great war came and shook this peaceful somnolence. Roumanian pharmacists are now waking up to the fact that, in the words of Professor Vintilescu, all they have produced up to the present is "chamomile and lime-tree flowers," everything else is imported; in spite of the Roumanian soil being blessed with a great natural vegetable and mineral wealth. It will be very instructive to watch the various tendencies that are making their appearance in Roumanian pharmacy of to-day.

The young chemists, with few exceptions, evidently encouraged by Mr. Al. Iteanu, the President of the Roumanian Pharmaceutical Society, are clamouring for a free hand in pharmacy, something very similar to American and English pharmacy. They have so far succeeded that the Government has actually taken away the inheritance privileges from chemists. This law has been strengthened by a High Court decision that only pharmacies with a royal charter granted before the year 1874 retain inheritance privileges; all the others are only life concessions. The Roumanian Pharmacists' League are asking for the following reforms: Life concessions of pharmacies, not transferable nor inheritable; ten years' proprietorship by the widow or children until of age. One pharmacy to 4,000 inhabitants. The right to open a pharmacy to be granted by seniority from the date of qualification. Between pharmacists with equal seniority a draw will decide. The shop can be moved anywhere within the limits of the town. Once a shop is sold, the same chemist may not open another. One pharmacist one shop; one manager may manage only one shop. Some members of the League went so far as to sign an undertaking not to present themselves to the competitive examination for the acquisitions of pharmacies, but to insist on these concessions being granted by seniority.

Meanwhile the pharmacists of the acquired provinces, Transylvania, Bucovina, etc., mostly Hungarian chemists, who are almost as numerous as the Roumanian chemists, have taken the bull by the horns and held a congress at Cluj; and taking their stand by the royal decree of 1904, which recognises the Society of Roumanian Pharmacists as an official body, have formed a similar official body, in the annexed provinces, affiliated to the Roumanian Society. They claim independence from the Home Office and Sanitary Council, have elected their own governing committee, framed their by-laws and a new syllabus for the Pharmaceutical University of Cluj, and made a very important change by adopting one year's apprenticeship against two years in Roumania proper.

Along with these political changes a new cultural revival is also taking place. At the instigation of Prof. Vintilescu, with the assistance of Dr. St. Minovici, Al. Iteanu, J. Vasiliu, Dr. Mihailovici, Dr. Al. Jonescu, a Circle of Pharmaceutical Studies has been started, which promises to issue a periodical dealing with all vital questions affecting chemists. It is suggested, for instance, that Roumania should be the first country where there should be concurrent apprenticeship with university studies (that is half a day for practical work in the shop and the rest following lectures at the University). The pharmacists from the acquired provinces have issued a Bulletin of Pharmacy, so that as regards pharmaceutical periodicals Roumania is well equipped. Senator Jbrahim Themo has raised the question of the non-proprietor pharmacists in Parliament, and forced the Home Office to issue a long list of pharmacies for which competitive examinations will soon be held.

Jules Cofman-Nicoresti.

Chemists' Dental Society.

A Council meeting was held at 17 Bloomsbury Square, London, W.C., on June 2. The following were present: Messrs E. Brownhill, S. V. Brookes, S. Davis, J. Hearle, J. Y. Fairweather (treasurer), Templar Malins, H. Morgan, J. D. Robinson, J. W. Roberts (President), and F. R. Sutcliffe (Vice-President). At the outset reference was made to the death of the hon. secretary, Mr. Benson Harries, and, as a token of respect, the whole Council rose to their feet and remained standing for a few moments in silence. A vote of condolence and a message of sympathy was directed to be sent to his widow and daughter.

Mr. J. Y. Fairweather was unanimously elected to act as secretary, and he accepted the position *pro tem.*

The annual report was submitted by the President and approved and the treasurer's report was also passed. These will be printed and circulated to the members with the notice for the annual meeting. An offer of an insurance of 250*l.* per member for dental risks was accepted, the premium to be paid by the Society out of the annual subscription without extra charge to members.

The President referred in detail to the position as regards legislation, and gave particulars of meetings with other societies to members of Parliament. As a result the Dentists Bill has been introduced without the clause penalising chemists.

Riga Exhibition.—An International Agricultural and Industrial Exhibition is being organised to be held at Riga from July 31 to August 28. Terms for exhibiting, and other information, can be had from the British and Russian Transport Co., Ltd., 6 Lloyds Avenue, London, E.C. 3. Mr. Dundas Simpson, a British chemist, 19 Suworow Strasse, Riga, informs us that he is willing to represent British businesses at the exhibition.

Legal Reports.

Deficient Seidlitz Powders.—At Blackburn, on June 2, John Morris, drug-store proprietor, Whalley Range, was fined 1*l*. for selling seidlitz powders not of the nature, substance, and quality demanded. The medical officer of health stated that for medicinal purposes the powders were valueless. The defendant explained that by mistake his wife sold cooling-powders for seidlitz powders.

Camphorated Oil Case.—At Keighley, recently, Benjamin Hutchinson, grocer, pleaded "Guilty" on being summoned for selling camphorated oil not in accordance with the requirements of the Sale of Food and Drugs Acts. A sample was found to contain 21.9 per cent. of camphor, 31.5 per cent. of olive oil, and 46.6 per cent. of liquid paraffin. The defendant said that there was no intention to defraud. He was fined 10*s*., with costs.

Warranty as Defence.—At Blackburn, on June 2, Mr. James Harry Smith, chemist and druggist, 9 High Street, Rishton, was summoned for having sold cod-liver-oil emulsion not of the nature, substance, and quality demanded. It was stated for the prosecution that the proceedings were instituted by the medical officer of health. The defendant carried on business at 132 Darwen Street, Blackburn, as well as at Rishton, and the emulsion, on analysis, was found to be deficient in cod-liver oil to the extent of 16 per cent. Mr. H. Backhouse, for the defence, said that defendant bought the emulsion on warranty from a wholesale firm. The Bench dismissed the case, and the chairman said that there was no reflection on Mr. Smith.

Anchovy Paste.—The question of the composition of salmon-and-anchovy paste was considered during the hearing on May 24 of a summons at Nottingham against a grocer who was charged with selling to the prejudice of the purchaser a jar of salmon-and-anchovy paste containing 19.65 per cent. of starchy filler and 26 per cent. of added water. The city analyst, Major J. R. Trotman, said the object of adding the filler was to enable the paste to retain a larger proportion of water than it would otherwise do. There is no official standard for the paste, which he agreed might contain farinaceous matter. Dr. Frank Teed, for the defence, said farinaceous matter is always present in such pastes, which are manufactured as relishes for the palate. The magistrates held that the quantity of water in the paste was excessive, and fined the defendant 21*s*. An appeal is to be lodged.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

STERLING STORES, LTD. (P.C.).—Capital, 25,000*l*. Objects: To carry on the business of general dealers and manufacturers, and among other trades that of a chemist. The first directors are: D. R. Galloway and N. Robertson. R.O.: 78 Queen Victoria Street, London, E.C. 4.

ANGLO-INDIAN DRUG STORES, LTD. (P.C.).—Capital, 1,000*l*. Objects: To carry on the business of chemists, druggists, drysalters, dealers in medicines, perfumery, scent and soap, patent medicine proprietors, etc. Shyamsunder S. Tug, 22 Great Windmill Street, medical practitioner, is the first managing director. R.O.: 22 Great Windmill Street, London, W.

BRITISH CYANIDES CO., LTD.—Owing to the industrial situation, the directors of the British Cyanides Co. announce that they are unable to recommend the distribution of a dividend upon the ordinary shares, but dividend warrants in respect of the cumulative preference shares will be posted on June 15.

BRUNNER, MOND & CO., LTD.—The report of the directors for the year ended March 31, 1921, shows a balance to the credit of profit and loss (after writing off stocks 264,725*l*.), of 958,517*l*., which, with 123,703*l*. brought forward, makes a total of 1,062,220*l*. The directors propose a dividend on the ordinary capital at 6 per cent. for the half-year, making 8 per cent. per annum, subject to tax, placing to suspense account 50,000*l*., and carrying forward 141,308*l*.

Bankruptcy Reports.

Re Joseph Vine (trading as the Toilet Supply Co.), 222 and 224 Harrow Road, London, W.).—An application for an order of discharge was made to Mr. Registrar Mellor at the London Bankruptcy Court on June 7 on behalf of this bankrupt, who failed in March 1921 (see *C. & D.*, March 19, p. 55, and April 23, p. 39). Mr. Walter Boyle, Official Receiver, reported that the proved and provable debts amounted to 7,518*l*.; the assets valued by the bankrupt at 2,032*l*. had so far realised 1,560*l*., and a further sum of 10*l*. was anticipated, but Mr. H. W. Buckingham, the trustee, was unable to estimate the probable amount of dividend eventually to be paid. As offences the Official Receiver reported (1) insufficiency of assets to equal 10*s*. in the £ on the amount of the unsecured liabilities; (2) omission to keep proper books of account; (3) trading with knowledge of insolvency; (4) failure to account satisfactorily for the deficiency of assets to meet the liabilities; (5) contributing to the bankruptcy by rash and hazardous speculations; and (6) giving an undue preference to a creditor. Mr. E. W. Hansell, on behalf of the trustee and committee of inspection, submitted that the course of trading adopted by the bankrupt was not only extremely reckless, but might be regarded as dishonest, and he asked for a lengthy suspension. The application was strongly opposed by a number of creditors, including Joseph Crosfield & Sons, Ltd., who submitted that if this class of trading were allowed to go on business would become impossible. That company asked not only for the discharge to be refused, but for some sterner steps to be taken against the bankrupt. The learned Registrar said that must form the subject of an application elsewhere. He upheld the Official Receiver's report and imposed a suspension of three and a-half years. Order entered accordingly.

Re Samuel Diamant, 51 Castellain Mansions, Elgin Avenue, London, W., importer and exporter of chemicals. A sitting of the London Bankruptcy Court was held on June 1, before Mr. Registrar Hope, for the public examination of this debtor, who failed in October 1920, with liabilities 7,582*l*., against assets valued at 509*l*. Replying to Mr. W. P. Bowyer, Senior Official Receiver, the debtor stated that he was born in Russian Poland; in 1897 he commenced business in Antwerp as an importer and exporter of chemicals and as a dealer in cattle foods, but came to this country in August 1914 as a refugee, with about 500*l*. in his possession. Witness gave authority to another person to realise his goods in Belgium, valued at several thousands of pounds: although, as he believed, the goods had been sold, he had only received a small sum from the person he authorised to sell, and the present whereabouts of that person were unknown to him. In 1914 witness commenced business as an importer and exporter of chemicals at his residence, 27 Parliament Hill, Hampstead. The trading was successful until the end of 1916, when, owing to trade restrictions and bad health, he closed the business, and was afterwards financially assisted by relatives. In September 1919 he recommenced business at Elgin Avenue, and had since dealt mostly in carbonate of potash. Witness attributed his insolvency to loss in trading and to his liability for damages and costs through breach of contract for the sale of carbonate of potash. The sitting was adjourned for a fortnight, and the debtor was ordered to hand over certain agreements and other papers to the trustee. The following are the principal creditors: A. Boake, Roberts & Co., Ltd., 223*l*.; J. D. Pritchard & Co., Ltd. (Swansea), 259*l*.; Northern East European Trading Co., Ltd., 350*l*.; C. H. Bryant & Co., 5,075*l*.; W. Higgs & Co., 1,675*l*.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

Reports from Local Centres.

ENGLAND.

Bristol.—The Insurance Committee held a meeting on June 6. The report of the Medical Benefit Sub-Committee showed the following statistical data: Ingredients cost 10,094*l.*, dispensing 9,456*l.*—equal to 94 per cent. of the whole. The number of prescriptions for the year was 450,545. The average ingredient price was 5½*d.*, the dispensing fee 5*d.* For comparison sake there had been prepared some figures for the whole area of the South-Western Joint Pricing Committee, from which it was shown that Bristol compared favourably with other districts.

Exeter.—At a meeting of the Devon Insurance Committee on June 6, Mr. P. F. Rowsell presiding, the Joint Services Sub-Committee reported having considered a communication from the South-Western Joint Pricing Committee with reference to certain prescriptions on which the only portion in the doctor's handwriting was his signature. Fully 50 per cent. of the scripts received from the chemist had been filled in in an irregular manner. The Sub-Committee recommended that the doctor be informed he has made a serious breach of the regulations, which has led to a breach of the regulations upon the part of the chemist also. If such practice is repeated he might render himself liable to be fined or to be dismissed from the Insurance Service. The Sub-Committee passed a vote of censure on the chemist. The chairman of the Sub-Committee thought the chemist had been more sinned against than sinning, but he ought to have been a little firmer and refused, under any circumstances, to have transgressed. It was reported by the Finance Sub-Committee that the cost of pricing prescriptions for 1920 was 427*l.* 13*s.*, as compared with 285*l.* 6*s.* 5*d.* for 1919. The numbers of scripts priced for the Committee for previous years were as follows: 1916, 182,859; 1917, 176,419; 1918, 204,320; 1919, 195,088; and 1920, 220,556. The amounts credited to chemists in the area for the years 1916 to 1920 were: 1916, 6,127*l.* 16*s.* 5*d.*; 1917, 6,010*l.* 0*s.* 7*d.*; 1918, 7,847*l.* 7*s.* 9*d.*; 1919, 8,402*l.* 2*s.* 6*d.*; and 1920, 12,725*l.* 12*s.* 3*d.* The Pharmaceutical Sub-Committee, having considered a communication from the South-Western Joint Pricing Committee with reference to certain scripts dispensed by a chemist whereon the quantities as ordered by the doctors had been altered by the chemists, found that there were 94 scripts written by members of a firm of practitioners and dispensed by the chemist, whereon the quantities as ordered by the practitioners had been altered in the chemist's handwriting, the quantities being reduced in the majority of cases, and in a few cases increased. The reasons given by the chemist for altering the scripts are that owing to the large quantities of mixture ordered, the patients have not had the size of bottles necessary, or been prepared for the heavy price of bottles. The Sub-Committee recommended that the chemist be informed that he has, unintentionally as the Sub-Committee believes, committed a technical breach of his agreement with the Committee, but as he has undertaken that such a breach shall not occur again, no further action will be taken. Also, it is undesirable for doctors to prescribe in such large quantities on the chance of the probable waste of the mixture, and that it be suggested to the doctors that they should confine themselves in prescribing to an 8-oz. bottle. The prescriptions, it was suggested, should be priced according to the quantities indicated by the chemist. The reports were adopted.—Mr. P. F. Rowsell has issued a short review of the Committee's work since the inception up to April 30, 1921.

Hampshire.—A meeting of the Pharmaceutical Committee was held at Southampton recently, Mr. E. H. Smith in the chair. The report from the Central Checking Bureau for the months of November and December 1920 was received and adopted. The clerk to the Insurance Committee wrote explaining that the delay in the payment of the accounts was due to the procedure adopted by the Pricing Bureau, whereby preferential treatment was given to the scripts from each area in turn. It was agreed that during the last few months the accounts had been paid with greater promptitude, but the members of the Committee still think there is room for further improvement. The new terms for dispensing were discussed, and were accepted as a further instalment towards adequate remuneration. The secretary (Mr. H. J. Martin) was instructed to request Mr. G. A. Mallinson (secretary of the Retail Pharmacists' Union) to undertake the duties of returning officer at the forthcoming election, the Committee approving the suggestion to lengthen the term of office. All the members in attendance agreed to accept nomination to the new Committee. Mr. Martin was congratulated on his election to the Executive Committee of the R.P.U.

London.—A meeting of the Pharmaceutical Committee was held on June 7, Mr. A. J. Wing (chairman) in the chair. The report of the Central Checking Bureau for March showed a margin of error of 0.11 per cent. The Committee considered a letter received from the Ministry of Health submitting particulars regarding the supply by practitioners of drugs and appliances in rural areas. In a case where a doctor had been granted permission to dispense for his insured patients the Committee had opposed the doctor's application, but as the district is being kept under observation, discussion was adjourned. The draft annual report was submitted and, after slight amendment, approved. The secretary's report contained, *inter alia*: (*a*) Reference to the 1915 London Insurance Pharmacopœia; (*b*) particulars of the Dangerous Drugs Act report. It was decided to ask the Insurance Committee to indicate on each chemist's account the number of prescriptions dispensed each month, together with the total value of the dispensing-fees. A letter was received regarding the possibility of a payment on a capitation basis being made to hospitals for drugs, etc., supplied to their insured staffs. It was also proposed that a deputation should wait upon the Minister of Health for a discussion of this question.

Middlesex.—A meeting of the Insurance Committee was held on June 6, Mr. J. D. Cooper (vice-chairman) presiding. The Finance and General Purposes Sub-Committee recommended the payment of accounts amounting to 13,074*l.* 10*s.* 4*d.* Among these were the following to chemists: February accounts, 4,290*l.* 1*s.*; March accounts, 4,211*l.* 4*s.* 9*d.* The number of urgent prescriptions for the quarter ended December 31 was 511, and the extra fees amounted to 10*l.* 8*s.* 5*d.* The total number of urgent prescriptions for the year 1920 was 1,732, the extra fees being 35*l.* 6*s.* 6*d.* The report was adopted. It was reported that from March 18 to May 24 two chemists had resigned from the panel and four had been admitted.

N.E. Midland Pricing Bureau.—The Executive Committee of the North-East Midland Pricing Bureau has presented to the Joint Committee the 1920 report, which has since been approved. The report is not being printed this year for reasons of economy. The number of prescriptions dealt with by the Bureau was 1,979,568, an increase of 111,690 as compared with the previous year. The accounts for 1920 show a net expenditure of 2,535*l.* 5*s.* 10*d.*, which, on the above-mentioned total, is equivalent to a cost of 1*l.* 5*s.* 7½*d.* per thousand. The estimate was made for 1,899,000 prescriptions. For 1921 the estimated net expenditure is 2,845*l.*, and the number of prescriptions 1,965,000, equal to a cost of 1*l.* 9*s.* per thousand. From July 1 the new regulations of the Ministry of Health came into force whereby the figures for each separate committee area (and not for the combined areas associated with the Bureau) are to be issued quarterly, and a full statement showing the figures of individual doctors, as well as those of the area, are required at the end of the year. These changes are intended to facilitate the work of Panel Committees in their investigations of alleged excessive prescribing, and thus certain information which formerly was obtained from Pricing Bureaux by special request, and paid for, is now

part of the normal work of the Bureaux. Owing to the considerable amount of work entailed, further modifications may be necessary. Six special scrutinies and reports for Panel Committees were completed during the year, and it has been decided to charge 33⅓ per cent. above the actual cost of the time occupied on the work, the addition to be regarded as inclusive of establishment charges. With regard to a revised formulary for use in the Nottingham areas, from the point of view of the Bureau it would be an advantage, the report states, if the General Formulary were adopted. This applies also in Lincolnshire and Derby, where considerable use is made of the British Pharmaceutical Codex. At the request of the Ministry of Health an exhaustive analysis of 10,500 prescriptions, issued in April 1920, was undertaken. The cost was 25*l.* 10*s.*, which was directed to be treated as part of the administration of the Bureau, although the cost was to be forwarded to the Ministry for consideration. The following statistics are given:

Years	No. of Prescriptions	Value £	s.	d.
1916 (Jan.—Nov.)	1,772,481	42,347	8	0
1917 (Dec.—Nov.)	1,864,522	45,245	12	0
1918 (Dec.—Nov.)	1,979,545	56,959	14	11
1919 (Dec.—Nov.)	1,867,878	59,047	17	4

An additional sum of 2,437*l.* 6*s.* 3*d.* war allowance was paid for January 1 to Dec. 31, 1916. From Jan. 1 war allowance was included in ordinary pricing operations.

The average ingredient price for 1920 (*i.e.*, on 1,979,568 prescriptions) was 4.4*d.* (highest, Derby 6*d.*; lowest, Sheffield 3.6*d.*); dispensing-fee, 4.9*d.* (highest was 5*d.* in seven areas; lowest, Rotherham 4.8*d.*). Included were 1,914 urgent fees (highest, Derbyshire, 624; lowest, Barnsley and Sheffield, *nil*). The Pharmaceutical Society scrutinised scripts to the value of 8,972*l.* 9*s.* 7*d.*, alleged errors amounting to 4*l.* 17*s.* 6½*d.*, with a percentage of 0.05. Mixtures were easily the most-favoured method of prescribing, amounting to 68.84 per cent. Ointments and pastes came next with 4.30 per cent.; liniments, 3.30 per cent. In 10,500 prescriptions (the number analysed), seven were for proprietary preparations. Appliances had a frequency of 11.51 per cent.

Yarmouth.—A panel chemist reported to the Insurance Committee that a panel practitioner had ordered for an insured person 4 oz. brandy, which he supplied, and he desired to know whether it would be allowed by the Pricing Bureau. The practitioner had stated that as the patient was in a critical and collapsed condition he prescribed brandy as an emergency drug. It was of no avail, however, as the patient died next day. The Insurance Committee has decided that, without establishing a precedent, the action of the practitioner and the chemist should be confirmed.—In reply to a letter from the Pharmaceutical Committee the Insurance Committee have authorised the Pricing Bureau to grant the Retail Pharmacists' Union access to the prescriptions for the purpose of checking them.

SCOTLAND.

Drug Accounts Committee.—The Central Checking Bureau has issued the following returns for the first quarter of the years 1915 to 1921, showing the number of forms allowed, the value, and the average price of the burghs, the counties, and the whole of Scotland:

	Burghs						Counties					
Year	No. of Forms	Value £	s.	d.	Av. price per Form d.		No. of Forms	Value £	s.	d.	Av. price per Form d.	
1915	481,546	18,806	10	0	9.37		249,133	10,170	10	5	9.79	
1916	350,823	15,156	9	4½	10.36		180,750	8,277	0	10½	10.99	
1917	351,476	13,754	19	2½	9.39		185,260	7,645	17	6½	9.90	
1918	305,491	13,879	8	1½	10.90		165,546	8,111	11	0	11.75	
1919	388,602	19,095	14	2	11.79		218,302	11,573	12	4	12.72	
1920	376,368	25,446	3	9	16.22		208,528	14,840	16	1	17.08	
1921	391,363	22,804	11	0¾	13.98		226,157	13,703	3	1	14.54	

Drug Tariff.

The following are the alterations made in Appendix XVI. by the Scottish Board of Health, which take effect from May 1:

Acetomorph. hydrochlor., 8*s.* 8*d.* dr.; acid. acetylsal. (aspirin), 6½*d.* oz.; argent. nit., 8*d.* dr.; argent. nit. indur., 8½*d.* dr.; argent. nit. mitig., 8½*d.* dr.; argent. proteinat., 4½*d.* dr.; atropin. sulph., 12*s.* 7½*d.* dr.; betacain. hydroch., 7*s.* 4½*d.* dr.; caff. cit., 2*s.* 10*d.* oz.; ergotin (B.P. 1898), 14*s.* oz.; ext. coloc. co., 1*s.* 3*d.* oz.; ext. ergot., 1*s.* 8½*d.* dr.; ext. ergot. liq., 1*s.* 7*d.* oz.; ext. opii sic., 5*s.* 11½*d.* oz.; ext. opii liq., 5½*d.* oz.; hyd. ammon., 8½*d.* oz.; lin. opii, 7½*d.* oz.; liq. hamamel., 3*d.* oz.; liq. opii sed. (B.P.C.), 8½*d.* oz.; menthol., 4*s.* 2½*d.* oz.; methylsulphonal, 3*s.* 6*d.* oz.; morph. acet., 4*s.* 5½*d.* dr.; morph. hyd., 4*s.* 5½*d.* dr.; ol. caryoph., 1*s.* 3½*d.* oz.; ol. menth. pip., 5*s.* 3*d.* oz.; ol. morrhuæ, 1*s.* 7*d.* Imperial pint; phenazon., 1*s.* 10½*d.* oz.; pil. plumbi c. op., 1*s.* 1½*d.* oz.; pil. sapon. co., 1*s.* 3½*d.* oz.; pot. permang., 3½*d.* oz.; pulv. cret. arom., 3*d.* oz.; pulv. cret. arom. c. op., 5½*d.* oz.; pulv. ipecac. co., 9*d.* oz.; pulv. kino co. (B.P.C.), 1*s.* 5½*d.* oz.; pulv. opii co., 9*d.* oz.; salicin., 4*s.* 2½*d.* oz.; salol, 9½*d.* oz.; sod. benz., 6½*d.* oz.; sod. glyceroph. 50 per cent., 11½*d.* oz.; sod. glyceroph. 100 per cent., 2*s.* 3*d.* oz.; sp. vini meth., 1*d.* oz.; sulphonal, 4*s.* oz. *Containers.*—1½ oz., 4½*d.* each; over 10 oz. up to 12 oz., 5½*d.* each. *Appliances.*—Ice-bags, 8 in., 3*s.* 1½*d.* each.

Gazette.

Partnership Dissolved.

Allen, L., Coxon, H., Kay, J.R., and Orritt, E., 62 Seel Street, Liverpool, manufacturers of disinfectant cleansers, under the style of "Allen's," so far as concerns L. Allen.

Bankruptcy Acts.

Receiving Order and Adjudication.

Stopforth, R., 59 Kimberley Drive, Crossby, and 10 Easton Street, Liverpool, lately at 71 Vauxhall Road, Liverpool, under the style of Rowand & Co., wholesale druggists.

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

Reaction of Phenol.—Rodillon ("Journ. de Pharm. et de Chim.," February 16, 1921) describes the following characteristic test for phenol: One drop of a 10-per-cent. solution of sodium nitrite is added to 10 c.c. of the liquid to be tested in a test tube, and, after shaking, a few c.c. of sulphuric acid are "layered" on. In the presence of phenol, at the junction of the two liquids, a partly emerald-green and partly ruby-red ring occurs, the green colour appearing on the lower surface of the ring.

Factitious Oil of Cade.—Huerre ("Un. Pharm.," December 1920) proposes to substitute various diphenols for the use of oil of cade, which presents several well-known drawbacks. He suggests the following formula:

	Grams		Grams
Pyrocatechin ...	0·5	Methyl-guaiacol ...	4
Guaiacol	0·5	Oil of juniper ...	30
Propyl-guaiacol ...	1	Cedar oil	70
Ethyl-guaiacol ...	2		

Formalin in Urine.—Dr. E. Pittarelli ("Lancet," II., 1920, p. 1267) recently described a test for formalin in urine. The practical application is as follows: To 25-30 c.c. of urine (acid or made acid) 10-12 drops of a 1-per-cent. solution of phenylhydrazine is added and the mixture heated to boiling. After a few minutes 5-6 drops of a 1-per-cent. solution of metol and 3-4 drops of a 25-per-cent. solution of caustic soda are added, when a crimson colour is produced, which, on the addition of a magnesic salt, assumes a decided purple colour. The crimson is stated to be appreciable to a 1-in-100,000 solution of formalin, and the purple tint increases the sensibility still further.

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British Pharmaceutical Conference.

Executive Committee.

A meeting was held at 16 Bloomsbury Square, London, W.C., on June 1, the President (Mr. E. Saville Peck) in the chair. There were also present: Messrs. H. Finnemore, E. T. Neathercoat, and F. Ransom (Vice-Presidents), Mr. D. Lloyd Howard (treasurer), Messrs. E. T. Brewis, C. E. Corfield, F. W. Gamble, A. R. Melhuish, and H. Skinner, with Messrs. R. R. Bennett and C. H. Hampshire (secretaries).

Deaths.—Reference was made to the loss sustained by the Conference through the death of Mr. C. Hare, of Southport, and Mr. J. W. Deakin, of Northwich. The secretaries were instructed to convey the condolences of the Executive to the widow of the late Mr. J. W. Deakin.

Reports.—The report of the sub-committee appointed for the purpose of discussing plans for effecting economies in the cost of the "Year-Book of Pharmacy" was received and adopted. Reports of the meeting of the Harrison Memorial Fund Joint Committee and the meeting of the sub-committee appointed to nominate officers to constitute the Conference Executive for 1921-22 were also received.

The secretaries reported that Messrs. R. T. Baker and H. G. Smith, of the Technological Museum, Sydney, N.S.W., honorary members of the Conference, had presented to the Conference a copy of their book, "A Research on the Eucalypts and their Essential Oils." It was agreed that this book should be lent to the Pharmaceutical Society for safe keeping in their library at 17 Bloomsbury Square, if the Council were willing to accept it on these conditions.

The secretaries also reported that the Pharmaceutical Society of Ireland had presented to the Conference a copy of their Calendar for 1921.

Mr. A. G. Surfleet was elected local corresponding secretary for Hull.

New Members were elected as follows: Mr. H. Bown (Sheffield), Mr. C. H. Hallett (Sheffield), Mr. L. S. M. Dawson (Sheffield), Miss M. Dunlop (Newcastle-on-Tyne), Mr. H. Maundrell (Milton Regis), Mr. J. G. Duncan (New Brighton), Mr. H. O. Meek (West Bridgford), Mr. H. G. Greenwood (Patricroft), Mr. J. P. Greenwood (Patricroft), Mr. R. E. Jackson (Eccles), Mr. C. Wherly (Liscard), Mr. H. Droop Richmond (Nottingham), Mr. B. A. Bull (West Bridgford), Mr. H. C. Roberts (Leeds), Miss C. E. Eyre (Scarborough), Mr. P. Waterhouse (Bridlington), Mr. P. Hawkins (Bridlington), Mr. J. A. C. Boyden (Pocklington), Mr. C. M. Caines (London), Mr. T. McLachlan (London), Mr. E. C. Davies (Manchester), Mr. A. O. Bentley (Nottingham), Mr. W. G. McNab (Gorebridge), Mr. J. B. McVitae (Glasgow), Mr. W. G. Bennett (Hull), Mr. W. H. Lewis (Exeter), Mr. A. E. Young (Leicester), Mr. J. P. Ellerington (London), Mr. J. C. Jinks (London), Mr. H. Oakley (Wolverhampton), Mr. R. Milestone (Leeds), Mr. E. M. Mellor (Uttoxeter), Mr. A. B. Stocks (Bradford), Mr. W. Lean (Burton-on-Trent), Mr. H. Berry (Birmingham), and Mr. H. H. Greenfield (Sheffield).

Conference Notes.

There is still time to visit Scarborough and to take part in the Conference. Members, by sending a postcard not later than June 13 to Mr. E. R. Cross, Ph.C., Filey Road, Scarborough, can purchase tickets.

Mr. George Whitfield and Mr. and Mrs. E. R. Cross visited Whitby on June 7, motoring over the Conference excursion route in Mr. Whitfield's car. They saw all the chemists there, and the enthusiasm aroused at Whitby by the Conference visit is only equalled by Scarborough and Bridlington. Sir Richard Robinson and Lady Robinson entertained the forerunners, and if the weather is fine on June 16 visitors may be assured of an excursion which cannot be beaten for interest, views, old-fashioned houses, moorlands blazing with bloom, and winds laden with ozone.

All members arriving on June 13 will be met at Scarborough Station, and conveyed with their luggage, free of charge, to their hotel or apartments. Members of the local Committee will wear the Conference badge (Scarborough coat-of-arms in gold on blue), and will give every assistance to visitors.

Mr. George Whitfield received a letter asking for information about the Conference which he has mislaid. Will the inquirer wire, or, better still, come to Scarborough, as Mr. Whitfield will see that suitable apartments are provided?

There are two good trains from York to Scarborough in the afternoon, one at 5 and the other at 6.55 P.M. Members should catch one of these if possible. In case of difficulty Mr. F. G. Hines, Pavement, York, should be consulted.

Association Affairs.

Belfast.—A committee meeting of the Ulster Retail Drug Trade Association was held in the Chemists' and Druggists' Rooms, 11 Waring Street, Belfast, on June 3, Mr. W. E. Wilson (Vice-President) presiding. With regard to the Draft Regulations of the Dangerous Drugs Act, the members regret that the Home Office Committee are unable to agree that the present conditions imposed on the sale of the substances (named in schedule) by the Pharmacy Acts are sufficient. It was resolved that a deputation comprising the various interests in Ulster should approach the members of Parliament, and that strenuous efforts would be made by the North to have Ireland excluded. The Committee then dealt with other matters relating to the trade.—The Executive Committee of the North Irish Pharmacists' Association met on June 7, Mr. Wm. Macartney (vice-chairman) in the chair. The meeting was called to receive a deputation from the Chemists' and Druggists' Society and discuss matters arising out of the Government of Ireland Act with a view to clearing up the present uncertain position. Mr. J. C. Culbert introduced the deputation, consisting of Messrs. F. Storey, W. E. Wilson, J. D. Carse, S. Suffern, E. J. Roberts, and W. J. Rankin. Mr. Storey outlined the views and certain grievances held by associated druggists, and emphasised the fact that their members are unanimous in accepting the present opportunity of improving their position. He stated he could see no reason why both pharmacists and registered druggists cannot come together and make satisfactory arrangements, so as to remain under the existing Pharmaceutical Society. Subsequent discussion was entered into by Messrs. Hardy, Carse, Bingham, Hewton, Tate, Suffern, Culbert, McDonald, McKnight, and F. Storey. Mr. Hewton proposed, and Mr. Hardy seconded, that a general meeting of pharmaceutical chemists be called to consider the matter.

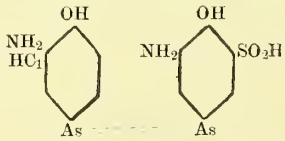
Dublin.—The Dublin and Provincial Retail Drug Association held a committee meeting on May 25, Mr. A. Owen Wells (President) in the chair. The following were also present: Messrs. G. A. McLean Lee, A. H. Oliphant, D. Warwick, W. F. Ellis, Robt. Mellon, D. M. Watson, Dr. J. A. Walsh, and Mr. R. J. Kidney (secretary). Correspondence from the following was dealt with: The Retail Pharmacists' Union; Ulster Retail Drug Trade Association; Talbot Wilson Chemical Co.; M. Beetham & Co.; Scrubb & Co., Ltd.; and Mrs. Duggan, Clontarf.

London.—A meeting of the Executive Committee of the London County Pharmaceutical Association was held recently, Mr. A. J. Wing (President) in the chair. After considering a letter from the Retail Pharmacists' Union concerning the attitude of the manufacturers of three proprietary preparations, it was decided that a letter should be sent to each of the firms, urging them to put their preparations on the Proprietary Articles Trade Association list. The secretary reported details relating to the annual meeting of the Early Closing Association. The question of the formation of R.P.U. branches was again considered, and the Committee were practically unanimous that care should be taken to preserve the associations in their present form.

Chemical Society.

At the meeting of the Chemical Society, held in Burlington House, London, W., on June 2, Dr. M. O. Forster being in the chair in the place of the President, an interesting note was struck by the formal admission, as a Fellow, of an Indian lady in native dress. Dr. Forster announced that in consequence of the increasing number of papers being presented for reading at the meetings it had been decided, during the coming winter session of the Society, to increase the number of meetings by five evenings, to be devoted to the reading of papers. As no fewer than eleven papers were down for presentation that evening the authors had to confine themselves to a brief *résumé* of the principal points, and there was practically no discussion following each paper. The following seven papers were dealt with in an abridged form.

Derivatives of Sulphur in Commercial Salvarsan. Part I., Dr. H. King. The author drew attention to the fact that certain commercial samples of salvarsan deposit sulphur in ethyl alcohol, due to the formation of a monosulphino-compound in the process of manufacture, and having the following formula:



The presence of a monosulphino-compound in salvarsan was not desirable, in consequence of its inferior therapeutic effect. Dr. King illustrated by means of a slide the relative therapeutic index of certain of these compounds, showing that whereas real salvarsan has a therapeutic index of 1/13, that of the monosulphino-compound is approximately three times less.

Mr. S. Glasstone presented a paper on *Physical Chemistry of the Oxides of Lead. Part I. The Solubility of Lead Monoxide.* Lead oxide occurs in three distinct varieties, as a red-brown, a yellow, and a deep red form. On boiling a dilute solution of sodium hydroxide to which lead acetate has been added, the red-brown variety of lead oxide is obtained. However, on using a more concentrated solution of sodium hydroxide the yellow and the deep red varieties are formed; the same occurs on boiling the dilute solution for a prolonged period. These three varieties were examined under the microscope, and the author found that the red-brown variety obtained by the use of a 5 per cent. solution of sodium hydroxide consisted of the smallest particles, the yellow and deep red particles being much larger. The author then discussed the relative properties of these varieties, and also referred to the changes which take place from one variety into another.

Professor G. T. Morgan (with Mr. H. D. K. Drew) read a paper recording *Researches on Residual Affinity and Co-ordination. Part V. Gallium Acetylacetone and its Analogues.* At the beginning of their investigations the authors only had 0.12 gram of this rare metal at their disposal. They succeeded in producing its acetylacetone, in the form of monoclinic crystals, which were found to be dimorphous, the α form being isomorphous with the corresponding aluminium compound. Professor Morgan stated that it had now been possible to prepare the acetylacetone compound of all the elements belonging to the third group of the periodic system compounds to which he has given the designation "chelates." He mentioned that indium acetylacetone is also dimorphous, occurring in three forms. In conclusion he briefly discussed the relationship existing between gallium acetylacetone and the correponding aluminium and indium chelates.

In a very few words Mr. T. S. Moore (with Mr. I. Doubleday) referred to the subject of their paper, *Some New Tricyclic Bases*, mentioning that they had succeeded in obtaining a new type of compounds, which, although colourless, dissolved in acetic acid to form a red solution. In acetic acid they were found to be monomolecular, but bimolecular in benzol. In addition a large number of colour changes had been observed on experimenting with these compounds, which were still under investigation.

Latent Heats of Fusion. Part I. Benzophenone, Phenol, and Sulphur was the subject of the paper read by Mr. J. R. Partington, in which a new method of determining the latent heat of fusion was described. It is based upon melting the substance under examination by means of an electric current, the container being placed in another receptacle containing a molten substance. Determined by this method, the latent heat value of benzophenone was found to be 21.7. The author mentioned that these investigations had been undertaken with the object of obtaining more information regarding the liquid state, basing on the assumption that for this purpose better results would be obtained by approaching the subject from the solid state than from the gaseous state, as a means of studying this question.

Professor K. G. Naik's paper was devoted to a discussion of the *Interaction of Sulphur Monochloride with Organic Acid Amides*, in which he briefly reviewed the whole series of compounds in question, pointing out the characteristics he had been able to establish in each case. He mentioned that flashes of light occur during the reaction of sulphur monochloride and ammonia, and referred to the position of the dithio-group in the various compounds, as here we might find an explanation for some of the peculiar properties exhibited by sulphur in this class of compounds, and the possibility of the existence of two forms of sulphur, a stable and an unstable form.

Owing to the advanced hour Mr. W. J. Powell (with Mr. C. K. Ingold) was only able to outline the subject dealt with in their paper: *Experiments on the Synthesis of Polyacetic Acids of Methane. Part II. Some Abnormal Condensations of Malonic and Cyanoacetic Esters with Halogenated Methanes*, alluding briefly to some of the more striking observations made in the course of these investigations.

Business Changes.

Mr. J. Scott Flower, chemist and druggist, Dewsbury, has purchased the business of Moodie's Drug Stores, 15 South Street, Scarborough. The transfer was effected by Mr. C. C. Marsden, 44 Shobbroke View, Leeds.

Mr. T. Wynne Thomas, chemist and druggist, trading as Thomas & Co., Aberdovey, has acquired the business of Hugh Davies & Co. (Mr. J. R. Evans, Ph.C.), Machynlleth, and will continue it under qualified management.

The Parkside Manufacturing Co., 122 Petherton Road, Clissold Park, London, N. 5, asks us to state that the dissolution of partnership referred to in the *C. & D.*, June 4 (p. 54), only applies to Mr. A. G. Watts. The remaining partners take over all the liabilities of the firm.

The firm of Perez Del Molino & Co., founded in Santander in 1830, was dissolved on April 23. One of the partners, Don Eduardo Pérez del Molino y Rosillo, who for many years has dealt with the wholesale drug department of the firm, will continue the business under the style of Eduardo Pérez del Molino, at the same address (Plaza de las Escuelas 5, Santander). Power of attorney has been granted by him to his two sons, Eduardo and Juan José Pérez del Molino y Herrera.

The death is announced of Dr. Kellas, B.Sc., a member of the Everest expedition, who had made a study of the effects of rarefaction of the atmosphere on the human system. Dr. Kellas was educated at Aberdeen Grammar School, the Heriot-Watt College, Edinburgh, and at Edinburgh, London, and Heidelberg Universities. He had held the post of lecturer in chemistry at the Middlesex Hospital Medical School, London.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

Report on the May Analytical Exercise.

THE powder distributed to students on May 10 contained three parts by weight of zinc phosphate, one part of lead chloride, and one part of bismuth carbonate. The calculated composition of such a mixture is:

Pb	14.9
Bi	16.1
Zn	18.2
Cl	5.1
CO_3	2.3
PO_4	35.2
O	1.2
H_2O	7.0
	100.0

The powder also contained, as impurity, a well-marked trace of calcium.

Samples of the powder were distributed to twenty-five students, but only six reports were received in response, a circumstance apparently due to the incidence of the Whitsuntide vacation. The three acidic radicals were detected by all the students who submitted reports, but lead was missed by two students, and bismuth and zinc by one each. Three students failed to observe the water which was evolved when the powder was heated in a dry tube, although its evolution was moderately conspicuous.

When an exercise is submitted which involves the separation and recognition of lead and bismuth, failures to detect one or other are usually common, and for this more than one cause is probably responsible. In the present analysis, the powder dissolved quite readily in hot dilute hydrochloric acid and the solution deposited a considerable quantity of lead chloride on cooling. If the solution was actually cooled at this stage, it was almost impossible that the presence of lead could be overlooked, and hence failure to detect this metal both here, as chloride, and later, in the hydrogen sulphide precipitate, was evidence either of faulty treatment or of superficial observation. There was the possibility, however, unless the original solution contained a definite proportion of moderately concentrated hydrochloric acid, that more or less of the bismuth, as bismuth oxychloride, would accompany the lead chloride, and would not be sought for there; while only an appreciably diminished quantity would find its way into the hydrogen sulphide precipitate and might run the risk of escaping detection there. To guard against failure in this way the precipitated lead chloride should always be examined as to its complete solubility in boiling water, and if any turbidity is observed, the presence of bismuth oxychloride (also of silver chloride or mercurous chloride) may be suspected and can be specially tested for. An abundant precipitate which separates, on cooling, from a hot hydrochloric-acid solution, may consist entirely of lead chloride, but it may also contain silver chloride, mercurous chloride, or bismuth oxychloride in small quantity, and careful handling is essential in order to avoid overlooking any of the latter.

In dealing with the powder as a phosphate mixture, most of our correspondents carried out a separation of the phosphoric-acid radical by treating the whole of the filtrate from the hydrogen sulphide precipitate by the acetate method, in preference to separating any insoluble phosphate from this filtrate by precipitating with ammonium chloride and ammonium hydroxide and then submitting the hydrochloric-acid solution of the precipitate to the acetate method. In this instance, the former method was not the more satisfactory one, and for the following reason. When ammonium chloride and ammonium hydroxide were added as group reagents, an abundant white precipitate was usually obtained—its quantity varying with the proportion of ammonium chloride present—and this precipitate was then redissolved, without examination, in hydrochloric acid and the acetate separation carried out. The white precipitate consisted, however, almost entirely of zinc phosphate and, in presence of a sufficiency of ammonium chloride, it dissolved in excess of ammonium hydroxide, with the exception of an exceedingly small quantity which consisted of calcium phosphate. It was to this latter only that any special phosphate separation method had to be applied, and by confining the separation to it, the manipulation of a bulky precipitate of ferric phosphate and basic acetate was avoided, while the serious risk of wholly overlooking the calcium, present as impurity, was reduced to a minimum.

PRIZES.

The first prize for the best analysis has been awarded to:

ROBERT JOHN DUNNE, Albert Cottage, Dixon Green, Farnworth, near Bolton.

The second prize has been awarded to:

HEDLEY HOLDEN RILEY, 60 Parsonage Street, Bury.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

MARKS AWARDED FOR ANALYSES.

1. *Correspondents who are unqualified:*

R. J. Dunne (1st Prize)	95	Scopolamine	81
H. H. Riley (2nd Prize)	93	Myristicaceæ	79
Verticellaster	82		

2. *Correspondent who is qualified:*

Atropa 81

TO CORRESPONDENTS.

R. J. DUNNE.—The metallic bead obtained by reduction of the powder on charcoal would consist mainly of lead and bismuth. The zinc would be volatilised for the most part at the temperature of the reduction.

H. H. RILEY.—You should not have overlooked the well-marked evolution of water, acid to test-paper, when the powder was heated in a dry tube. In the analysis of this powder the question of the presence or absence of calcium could not be determined with accuracy unless distilled water was used throughout, and indication should have been given as to whether or not this was done.

VERTICELLASTER.—You report barium chloride as yielding a yellow precipitate, soluble in nitric acid, with a portion of the sodium carbonate extract neutralised with nitric acid, and conclude that this may be due to a phosphate; but note that barium phosphate is white, while there was no constituent present in the powder which could give a yellow precipitate with barium chloride. A precipitate of lead sulphate should have been produced at the appropriate stage if your separation had been carried out with all needful care and precautions.

SCOPOLAMINE.—Part of the bismuth may have accompanied the lead chloride which crystallised out from the original hydrochloric-acid solution on cooling, and which you do not appear to have submitted to any examination as to its complete solubility in hot water.

MYRISTICACEÆ.—It is somewhat remarkable that you did not get any separation of lead chloride in Group I. Perhaps you did not permit the hydrochloric-acid solution to cool prior to passing hydrogen sulphide, in which case lead chloride was unlikely to separate; but then all the lead should have been precipitated as sulphide in Group II. and should have been easily recognised in examining the sulphide precipitate.

ATROPA.—It is difficult to understand why you obtained no indication of zinc at the proper stage, unless your solution had become unduly dilute and you failed to wait for a short time for the formation of a precipitate of zinc sulphide, which does not always separate at once. The proportion of zinc present was, as you will observe, large.

[The analytical competitions will be resumed in October.]

Personalities.

Mr. R. W. Brooke, chemist and druggist, Beaconsfield, has been returned unopposed as a member of the local urban council.

Mr. John Gibson, F.I.C., F.C.S., F.S.A. (Scot.), chemist and druggist, Hexham, has been elected a Fellow of the Society of Antiquaries of London.

Mr. E. A. Onyon, chemist and druggist, Eye, has been appointed Sword Bearer in the Provincial Grand Lodge of Mark Master Masons of East Anglia.

Sir Leonard Rowland, chemist and druggist, Wrexham, was on May 27 installed as W.M. of the newly consecrated Bromfield Lodge of Freemasons, No. 4,233.

Bro. Fred. Bascombe, Ph.C., Brixton, London, S.W., P.A.G. St. B. secretary of the Galen Lodge, No. 2,394, was at Poole, on June 2, installed W.M. of the Dorset Masters Lodge, No. 3,366.

Professor R. F. Ruttan, McGill University, Montreal, has been nominated as President for next year of the Society of Chemical Industry, whose annual meeting will take place at Montreal on August 29.

In "The London Gazette" of June 3 it is announced that Mr. Moses Hampartzoom Torian, chemist, 329 Old Kent Road, London, S.E. 1, has been granted permission by the Home Secretary to use the title Fosse & Co.

Mr. R. Anderson, chemist and druggist, Chester Road, Sunderland, was awarded the third prize in a recent Novex photographic competition. The photographs were taken at St. Moritz by Mr. Anderson during his stay in Switzerland last January.

Mr. Dundas Simpson, chemist and druggist, 19 Suworow Strasse, Riga, represented British industries at a reception on June 3 at the British Legation, Riga, in honour of the King's birthday. Mr. Simpson also won third prize of 3,500 roubles in the Derby sweepstake at the British Club, Riga.

Mr. Samuel Norman Pickard, chemist and druggist, Ossett, has been appointed a justice of peace for the borough. Mr. Pickard was President of the Proprietary Articles Trade Association in 1912, and has been Vice-President of the Dewsbury and District Chemists' Association. He is a member of the West Riding Insurance Committee and a prominent Freemason.

Mr. W. Maskew, Ph.C., Hertford, has let part of his premises as the Central Committee Room for the candidature of Rear-Admiral M. F. Sueter, who is standing as a non-party man in the East Hertfordshire by-election. The election day is June 16, which will prevent Mr. Maskew from attending the British Pharmaceutical Conference, which this year is to be held at his birthplace.

Among the recipients of the honour of knighthood in the list issued on May 4 (in addition to Alderman R. Woolley Walden, whose portrait appears on this page) are: Mr. Jeffrey Browning, chief inspector, Board of Customs and Excise; Professor Arthur Keith, F.R.S., M.D., F.R.C.S., LL.D., the anthropologist; Mr. Duncan Mackenzie Kerly, K.C., chairman of the board of referees for Excess Profits Duty; Mr. Llewellyn Southworth Lloyd, assistant-secretary to the Department of Scientific and Industrial Research; Dr. Sydney Russell-Wells, B.Sc., Vice-Chancellor of the University of London, and a heart specialist.

Professor P. Phillips Bedson, M.A., D.Sc., F.I.C., Armstrong College, Newcastle-on-Tyne, whose impending retirement was recently announced (*C. & D.*, April 2, p. 60), was born in 1853. He was educated at Fairfield School, the Grammar School and Owens College, Manchester, and also studied at the University of Bonn. Prior to becoming professor of chemistry, in 1882, at the Durham College of Science (now Armstrong College), he held the post of assistant-lecturer in chemistry, under the late Sir Henry Roscoe, at Owens College. He has carried out considerable research work in connection with the gases enclosed in coal-dust. Professor Bedson has held, among other offices, the Vice-Presidency of the Chemical Society and, on two occasions, the chairmanship of the local section of the Society of Chemical Industry.

Mr. Thomas Marns, the newly elected President of the Ealing and District Pharmacists' Association, was born in Sunderland and served his apprenticeship there to Mr. Charles Ranken, Ph.C. On the completion of his indentures he went as assistant to Mr. H. Fairburn, F.C.S., chemist and druggist, Northallerton. He then obtained a change of experience in Malta, where he went as assistant to Collis & Williams, Valetta. While in Malta Mr. Marns passed an examination of the Medical Board, thus being qualified to act as assistant-apothecary in the Island of Malta and its dependencies. Returning to England, he entered the Westminster College of Pharmacy, where he took medals in pharmacy and materia medica. After passing the Qualifying examination in 1910 he spent five years with Boots, Ltd.—for the greater part of the time as manager of one of their Southampton branches. In 1915 he purchased his business in Ealing, which he has developed very successfully. Mr. Marns is a regular attendant at the meetings of his Association, and has occupied the offices of auditor, assistant-secretary, and secretary.

Mr. T. Marns.

Alderman Robert Woolley Walden, J.P., retired chemist and druggist, is among the recipients of the honour of knighthood in the King's birthday list. Alderman Walden, who is a Lincolnshire man, was educated at Spalding Grammar School and at Leamington. He qualified in 1872, and carried on business till about fifteen years ago at 65 Elizabeth Street, London, S.W. 1. His public services have been numerous. He was elected a member of the Westminster city council on its formation, became an alderman in 1905, and filled the distinguished position of Mayor of Westminster in 1908-09. For twenty years he has been a member of the Metropolitan Asylums Board, over which he has presided during the past six years; and he has also been active as a guardian of the poor for the parish of St. George's, Hanover Square, and as an officer in the Volunteers. In 1909 Alderman Walden was appointed Knight First Cross (Officer) of the Royal Order of the Vasa by the King of Sweden.

Sir Robert Walden, J.P.

Wills.

Mr. Frank William Stedman, chemist and druggist, 76 High Street, Ashford, who died on November 12 intestate, left estate of the gross value of 3,915*l.* 8*s.* 7*d.*, with net personalty 1,671*l.* 5*s.* 8*d.* Administration of the property has been granted to his widow, Mrs. Jane Stedman.

Mr. John Frow Andrews, chemist and druggist, 7 Gore Park Avenue, Eastbourne, who died on April 27, left estate of the gross value of 9,814*l.* 3*s.* 11*d.*, of which 9,215*l.* 6*s.* 1*d.* is net personalty. Probate of his will has been granted to his children, Miss Lilian Mary Andrews, 7 Gore Park Avenue, and Mr. George Frow Andrews, The Cottage, Rectory Avenue, High Wycombe, to whom testator left his estate.

Marriages.

CAVELL—RAYMENT.—At Zion Baptist Church, Whittlesea, on May 30, Fred Ruff Cavell, eldest son of the late Mr. John Cavell, chemist and druggist, Broad Street, to Kate, second daughter of the late Mr. Josiah Rayment, Cottenham.

FARQUHAR—GOURLAY.—At 134 King's Gate, Aberdeen, on June 1, by the Rev. Allan A. Wilson, M.A., Douglas George Farquhar, chemist and druggist, Strichen, youngest son of the late Mr. Robert F. Farquhar, chemist, Insch, to Frances Stephen, youngest daughter of the late Mr. Alexander Gourlay, Strichen.

LAWRENCE—CROXON.—At the Parish Church, Idle, on June 1, by the Rev. Canon Forster, Robert Lawrence, chemist and druggist, 44 Great Charlotte Street, Liverpool, to Marion Lloyd, youngest daughter of Mr. E. W. Croxon, Rawdon.

MAXWELL—MCINTOSH.—At St. David's Rooms, Dundee, on June 3, by the Rev. A. W. Fergusson, B.D., William Hay Maxwell, chemist and druggist, youngest son of the late Mr. James Maxwell, 29 Isles' Lane, to Elizabeth Clark, youngest daughter of Mr. D. McIntosh, 4 Park Terrace.

SHAW—HILL.—At Christ Church, Cheltenham, on June 4, by the Rev. H. Webb-Peploe, Rupert Spencer Shaw, pharmacist, Aintree, Liverpool, to Irene Gertrude, eldest daughter of Mr. W. H. Hill, pharmacist, Southlands, Queen's Road, Cheltenham.

Deaths.

BECK.—At 9 Summerhill Grove, Bush Hill Park, on June 4, suddenly, Mr. Albert Neve Beck, chemist and druggist, 60 High Street, Stoke Newington, London, N. 16, eldest son of the late Mr. William C. Beck, Hastings. Mr. Beck, who qualified in 1881, was in Hastings for some years. He subsequently removed to London, and acquired the Stoke Newington business about ten years ago. The funeral took place on June 8.

COLSTON.—At Blackmore House, Malvern Wells, on May 13, Mr. Alexander James Colston, chemist and druggist, aged forty-two.

CROSS.—At Enfield Highway, on May 28, Mr. Arthur Richard Cross, Ph.C., younger brother of Mr. W. G. Cross, Ph.C., Shrewsbury, aged fifty-eight.

DUCLOS.—At his residence at Neuilly-sur-Seine, on June 1, after a long illness, Monsieur Maurice Duclos, the well-known "Courtier Assermenté" in chemicals, colonial produce, etc., 104 Rue de Richelieu, Paris, aged sixty-five. Monsieur Duclos is succeeded by his two sons, Messieurs Jacques and Jean Duclos, both of whom served in the French Army during the late war, the first-named being seriously wounded.

FORTESCUE-BRICKDALE.—At Clifton, Bristol, on June 2, Mr. John Matthew Fortescue-Brickdale, M.B., B.Ch., aged fifty-one. Dr. Fortescue-Brickdale was at one time lecturer on pharmacology in the University of Oxford, and was the joint author of "A Chemical Basis of Pharmacology," published in 1908.

HANBURY.—At San Remo, Italy, on May 27, Mr. Adelbert William Allen de Hanbury, only son of the late Mr. William Allen Hanbury and only descendant of Mr. William Allen, F.R.S., aged fifty-seven. The William Allen referred to was one of the founders of the Pharmaceutical Society of Great Britain, whose names are mentioned in the first lines of the Society's Charter: he was the proprietor of or a partner in the well-known Plough Court business from 1795 till his death in 1843.

JUDD.—At 97 Grange Road, Small Heath, Birmingham, on May 25, Mr. Richard Judd, chemist and druggist, aged seventy-six. Mr. Judd began his career in pharmacy as an apprentice to Mr. Summers, Coleshill, and was afterwards an assistant with Banks & Co., Bull Ring. Having qualified, he purchased a business in Sherlock Street; he subsequently removed to Pershore Road, and then started a wholesale department in Wyndcliffe Road, Small Heath. The wholesale side of the business developed so successfully that removal to larger premises (in Grange Road) became necessary, and for the past twenty-two years Mr. Judd had traded there as R. Judd & Son. He had been seriously ill for some months before his death. Mr. Judd was of a retiring disposition, fond of literature and the fine arts, and a strenuous worker. He was twice married, and is survived by two sons and two daughters. The business will be continued by the younger son, Mr. R. J. S. Judd, who was studying for the medical profession on the outbreak of the recent war, and was badly injured while on service.

SANDERS.—Recently, Mr. John Fletcher Sanders, chemist and druggist, Ilminster, aged eighty. Mr. Sanders carried on business at Ilminster for sixty years. He was for some time a member of the urban district council and a governor of the local Grammar School.

SANDERS.—At Newport, Isle of Wight, on May 30, Mr. Thomas William Sanders, dispenser for fifty-five years to Dr. S. Foster and his father, aged seventy-five.

SANDERS.—At Budleigh Salterton, on May 28, Mr. William Fletcher Sanders, retired chemist and druggist and dentist, second son of the late Rev. William Sanders, aged seventy-five. Mr. Sanders, who had been living in retirement for the past two years, took over the business of the late Mr. Scott at Budleigh Salterton thirty-four years ago. He is survived by a son, Mr. A. Wallace Sanders, chemist and druggist, Chard.

THOMAS.—At St. Helier, recently, of heart-failure, Florence, eldest daughter of Mr. Ernest L. Thomas, chemist and druggist, 14 Bath Street, aged twenty-three.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, June 13.

British Pharmaceutical Conference, Town Hall, Scarborough, at 8.15 P.M. Reception by the Mayor.

Tuesday, June 14.

British Pharmaceutical Conference, Grand Hotel, Scarborough. 9.30 A.M., President's address; 1 P.M., luncheon; 2.15 P.M., Science and Practice Sections; 8 P.M., dinner. Afternoon tea on the Spa will follow a ladies' excursion.

Wednesday, June 15.

British Pharmaceutical Conference, Scarborough. 7.30 A.M., swimming match. 9.30 A.M., meetings of Science and Practice Sections; 10 A.M., ladies' excursion; 1 P.M., lunch at the Grand Hotel; 2.15 P.M., closing session; 3.30 P.M., Conference photograph on Spa; afternoon tea; 4.30 P.M., lecture by Dr. John Irving, M.D., on "Life in the Shore Pools"; 5.30 P.M., motor-charabanc drive; 8.30 P.M., smoking concert at the Grand Hotel; 10.30 P.M., dance at the Grand Hotel.

Thursday, June 16.

British Pharmaceutical Conference, Scarborough. 10 A.M., motor excursion to Whitby; 8.30 P.M., smoking concert at Grand Hotel.

Chemical Society, Institution of Mechanical Engineers, Westminster, S.W., at 8 P.M. Müller Lecture by Prof. Benjamin Moore, F.R.S., on The Natural Photo-synthetic Processes on Land and in Sea and Air and their Relation to the Origin and Preservation of Life upon the Earth."

Friday, June 17.

British Pharmaceutical Conference, Scarborough. Morning, bowls, cricket match, golf; 2.25 P.M., excursion to Bridlington; 4.30 P.M., high tea at Bridlington.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 P.M. Sir J. J. Thomson, O.M., F.R.S., on "Chemical Combination and the Structure of the Molecule."

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.—The annual dinner will be held at the Connaught Rooms, Great Queen Street, London, W.C., at 6.45 P.M. on June 21. Tickets (30*s.* each, wines included) from the secretary. Evening dress.

LONDON (WESTERN) PHARMACISTS' ASSOCIATION.—A motor-coach tour has been arranged for June 30, starting at 2.30 P.M. from Lancaster Gate (Central London Railway) Station, round Maidenhead, Windsor, Virginia Water, and Staines. High tea at the Thames Hotel, Maidenhead. Tickets (10*s.* 6*d.* each) from any member of the Committee. Early application essential.

CHEMISTS' EXHIBITION.—The twenty-second Chemists' Exhibition will be opened at the Central Hall, Westminster, London, S.W., on June 20, at 11 A.M., and will continue daily till 9 P.M., up to and including June 24.

Trade Notes.

CLYNOL BERRIES.—Parker, Belmont & Co., 37 Gray's Inn Road, London, W.C. 1, announce that this obesity cure is altered in price as from June 1. The retail price is now 6*s*. 6*d*.

MALTINE WITH PARAFFIN is a new maltine preparation. It is in powder form, and retails at 3*s*. and 5*s*. 6*d*. The Maltine Manufacturing Co., Ltd., Acton Vale, London, W., are the makers.

HOMŒOPATHIC REMEDIES.—Striking testimony to the sound principles upon which the business is conducted of Leath & Ross, 295 High Road, Brondesbury, London, N.W. 6, is given in the firm's advertisement in this issue.

CRUSH-LEMON is the name of a new lemonade powder put on the market by Potter & Clarke, Ltd., 60, 62 and 64 Artillery Lane, London, E. 1. Particulars of this and of the lemonade crystals are given in the company's announcement.

CRESSWELL BROS. BRANCH of International Sponge Importers, Ltd., are showing original cases of honeycomb and Turkey sponges at the Chemists' Exhibition. A special display is also being made at the warehouses, 18 and 19 Red Lion Square, London, W.C. 1.

OLD ENGLISH LAVENDER WATER.—This is an addition to the Victra series of perfumes and toilet preparations brought out by Wm. Edwards & Sons, 157 Queen Victoria Street, London, E.C. 4. The lavender water is attractively packed in 1-oz., 2-oz., and 4-oz. globular bottles.

TOILET PREPARATIONS.—Robartes, Ltd., 4 Diadem House, Leather Lane, London, E.C. 1, give in their advertisement proof of the advertising campaign which they are conducting. The preparations concerned are Decoltene, Dinkie, and the Diadem series. The company are showing at the Chemists' Exhibition.

TAYLOR'S CIMOLITE.—Mr. John Taylor, manufacturing chemist, 30 Baker Street, Portman Square, London, W., has now protected the retail price of Cimolite under the scheme of the Proprietary Articles Trade Association. The prices of the other Cimolite preparations—toilet soap, shaving soap, and toilet cream—are also protected.

SHOW JARS.—Mr. E. Duncan Doring, glass-bottle manufacturer, 7 King Street, Cheapside, London, E.C. 2, issues an illustrated catalogue of crystal show jars adapted for showing lozenges, pastilles, pills, and tablets. Particulars of the height, diameter, and capacity are given, while the great variety of patterns will surprise most chemists.

IODEX SKIN SOAP.—Menley & James, Ltd., manufacturing chemists, 64 Hatton Garden, London, E.C. 1, have just placed on the market an Iodex skin soap which contains a fair proportion of Iodex. The soap, which is packed three tablets in a box, is dark-coloured, with a pleasant perfume, and lathers freely with water. The addition of iodine to soap makes an ideal preparation. The packing is quite attractive.

VOL-PEEK.—Simplicity in use is one of the many advantages of Vol-peek, a preparation for repairing holes in metal utensils. Thos. Christy & Co., 4-12 Old Swan Lane, Upper Thames Street, London, E.C. 4, explain, in their advertisement in this issue, how Vol-peek is used. Packed in cartons, which are again packed in outers (containing two dozen cartons) for counter-display, this plastic "minute mender" shows a profit of 50 per cent. on cost.

NEW SEASON'S HERBS.—We have examined this week samples of the new season's henbane and belladonna grown by Wm. Ransom & Son, Ltd., manufacturing chemists, Hitchin. There are good crops this year of medicinal herbs at the Hitchin drug-farm. The samples of henbane leaves, both of the B.P. 1898 and the B.P. 1914, are well dried, preserving the green colour of the leaves and the characteristic odour. Specimens of the new season's green extracts of henbane and belladonna of the B.P. 1898 are excellent in colour and other physical characters. The prices of the leaves and extracts are reduced this year.

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Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1921, p. 300.

(*From "The Trade-marks Journal," May 25, 1921.*)

"EPI-LAXOS"; for all goods (3). By the Harrogate Tablet Co., Ltd., 9 Station Square, Harrogate. 413,079.

"ERVOINT"; for a medicine (3). By J. Irvine, 27 Strickland Gate, Kendal, Westmorland. 413,578.

"MAGISAL"; for medicinal chemicals (3). By W. Martindale, 10 New Cavendish Street, London, W. 1. 413,697.

"CRACKER," with picture of same; for goods (47) and for perfumery, etc. (48). By the Crown Perfumery Co., Ltd., Sidney Road, Homerton, London, E. 9. 412,885/886.

"SALTARELLE"; for face-powder (48). By Areco, Ltd., 11 Southampton Row, London, W.C. 1. 397,916.

"SNAKE CHARMER"; for perfumery, etc. (48). By Vinolia, Ltd., 37-38 Upper Thames Street, London, E.C. 4. 413,769.

(*From the "Trade-marks Journal," June 1, 1921.*)

"SPONDELLA"; for chemicals (1) and for goods (50). By British Cellulose and Chemical Manufacturing Co., Ltd., 8 Waterloo Place, London, S.W. 1. 410,333/335.

"WELLINGTON" with device of child standing on box of plates; for photographic plates, etc. (1). By Wellington & Ward, Shenley Road, Boreham Wood, Elstree, Herts. 412,402. (Associated.)

"ECLIPSE"; for photographic plates and films (1). By the Imperial Dry Plate Co., Ltd., Ashford Road, Cricklewood, London, N.W. 2. 413,813.

"VERMALA"; for chemicals (2). By A. E. Melling, Brook Cottage, Whiston Lane, Prescot, Lancashire. 412,411.

"JACKDAW"; for fly-catchers (2). By Raimes & Co., Ltd., 24 Prince Regent Street, Stockton-on-Tees. 413,909.

"GUMLYPTA": for medicinal eucalyptus products (3). By Gillard Gordon, Ltd., 13 Bridge Street, Sydney, New South Wales. 409,397.

"COLROW"; for medicinal chemicals (3). By J. B. Mee, 35 Colmore Row, Birmingham. 411,530.

"EUCUPIN"; for medicinal chemicals (3). By Vereinigte Chininfabriken Zimmer & Co., Darmstadterlandstrasse 46, Frankfurt-on-Main, Germany. 412,134.

"VINTELLE"; for goods (3). By Munro, McLaren & Sutherland, 17 Cadogan Street, Glasgow. 412,503. (Associated.)

"VITAMINOL"; for all goods (3). By E. T. Pearson & Co., Ltd., London Road, Mitcham, Surrey. 412,532. (Associated.)

"APORTA": for medicinal chemicals (3). By Gibson's Medical Hall, Ltd., 55 Donegall Place, Belfast. 413,309. (Associated.)

"MIRION"; for pharmaceutical products (3). By Suchywerke Aktiengesellschaft, 1 Liliengasse, Vienna I, Austria. 413,702.

"SANFACTO": for a medicine (3). By T. Hale, 61 High Town Road, Luton, Bedfordshire. 414,091.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

S/86. Polson's eczema ointment.
W/76. Ormerod's warble fly remedy.
S/76. Black unbreakable dressing combs.
C/86. Briconet gelatine.
M/66. Fosser's stomach tubes.
B/66. Joint-case.
M/66. Harkness's electric hair-brush.
H/76. M.A.T. used for splints on horses' legs.
D/76. Dr. Russell's obesity treatment
E/66. Bibbey's skin soap.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4.

Burnett's fluid, W/76
Chinosol, R/36
Claridge's pepsines, C/76
Cristaline shaving-blocks W/66
Ferrostat vacuum flask, U/26
Ichthosan, C/66
Lactogen, A/66
Lamangly perfumery, W/66
Luken's catgut, D/66
Lyeresol, A/76
Madame Stahl's hair restorer, S/66
Opocaps lymph comp., W/66
Pepsalia, S/36
Small corkscrews for perfumery bottles, Z/76

Observations and Reflections.

By Xrayser II.

The Report

of the Departmental Committee on the Dangerous Drugs Act Regulations cannot, even as it relates to pharmacists only, be adequately reviewed in these brief notes, but it must not pass without remark. The first thing to notice is the small consideration given to the objections of the Pharmaceutical Society. No attempt was made to meet the general objection as to the power of the Secretary of State to prohibit the retailing or dispensing of these drugs, for the statement that the Regulations do not prohibit, but only regulate, is a mere quibble, and, moreover, being said of retailing as distinguished from dispensing, is manifestly untrue. The hollowness of the whole reply to the Society's objection is seen in the confession that the question raised can only be settled by a competent judicial authority and the declaration that the Committee would proceed as if it were already settled. This indifference to the legality of the Regulations is amazing, and the Society ought at once to take steps to get a judicial decision of the question.

Apart from this Point of Law

the Society made a poor show in its presentation of our case. The purely *ex parte* statement submitted to the Committee in itself proves nothing, and it gains nothing by the highly rhetorical terms in which it was couched. A plain statement of our competence would have been more likely to carry conviction. The Society may be right in regarding the qualified chemist as a better safeguard than the doctor against the misuse of narcotic drugs, but this is no answer to the contention that the only legitimate use of these drugs is a medical one, and that, therefore, only the medical man has a right to say when they ought to be used. Is a person suffering from toothache or some other local pain to be compelled to consult a doctor before applying the laudanum which experience tells him will afford temporary relief? Or must he, when attacked by diarrhœa, be forbidden a dose of opiate chalk mixture without medical advice? This aspect of the subject does not appear to have been presented to the Committee. Perhaps our representatives were afraid of raising another large question—that, namely, of

Counter Prescribing,

which, incidentally, is a good deal affected by these Regulations. We shall have to be very careful what we supply in answer to a request for a remedy for more than one simple disorder. The report expresses a hope that the Regulations will not interfere materially with the convenience of the public, but no means seem to have been taken to ascertain whether they would or not. So far as appears, farmers were the only non-professional class consulted, but they are by no means the only class of people affected by the Regulations. Whether the community as a whole, for whose protection they are intended, will be altogether thankful for them is doubtful.

There is One More Point

that deserves mention as affording evidence of the way in which the interests of us chemists are looked after by our representatives, and that is the suggestion they made for strengthening the Pharmacy Acts in our defence. That every sale of any of these dangerous drugs should forthwith be reported to the police or the medical officer of health would be regarded as intolerable, not by the public only, but by chemists themselves. It was, the report tells us, because no better alternative than this was proposed that the principle of requiring a doctor's prescription, so strongly advocated by the British Medical Association, was adopted, and of the two I am not sure that the latter is not preferable. We ought perhaps, after this, to be thankful for the few little concessions made to us. They do not amount to much, but we are being taught to content ourselves with small mercies.

The Election of the President

at the Council meeting of June 1 was preceded by a discussion on the proper way of conducting the election, which revealed the curious fact that a considerable uncertainty existed in the Council as to what the proper way is. It was, however, agreed that the election should be by ballot, and what the Council apparently regards as a ballot was accordingly taken. The report says: "Each member was supposed to put his or her initials before the name of the member he or she wished elected," and the papers so initialed were collected in a ballot-box. What followed is not very clear, but it is quite clear that if each member did what he or she was supposed to do the President was not elected by ballot. The essence of the ballot is secrecy, and there can be no secrecy when every voter initials his choice. It seems to follow, if the by-laws say the election must be by ballot, that Mr. Neathercoat is not legally President. I don't know that it matters, and I mention it as a matter of curiosity only; but why not a cross, instead of initials?

The Disappearance of the Carboy

from so many chemists' windows has been noticed (not without regret) in your columns, but I am glad to see them still retained in twelve of the twenty-five windows reproduced in your articles on the forthcoming meeting of the British Pharmaceutical Conference at Scarborough. Evidently their day is not quite past, and if I am not greatly mistaken the windows in which they appear are the most effective of all. They have, at any rate, this advantage over the others—they leave the spectator in no doubt as to the character of the business carried on inside. The carboy, more obviously than anything else can do, gives the window a distinctive value. The specie jar has the same effect, but in a minor degree, since it does not carry so far. There are only two of the windows referred to that show specie jars, though these were formerly as common as carboys. Their disappearance, however, is less regrettable; they are too evidently dummies; they appeal to the antiquary mainly; their very name is obsolescent, "specie" being an old form of "species," now rarely met with except in this connection.

Short Hours

said Charles Lamb, mean long life, since we only live in the hours we can call our own. His "own day" began at 4 P.M., and he regarded the hours spent at the East India House not as part of his life, but merely as affording the means to live; or so he would have had people think. For those who really hold this view business hours cannot well be too short; but is the view a true one? Much depends upon the kind of business done. If I were a West-End draper's assistant I should heartily welcome the proposal recently made that shops in that quarter should close at 5.30; if, like Lamb, I were condemned to "the dry drudgery of the desk's dead wood," I should, like him, think four a late enough hour for leaving off; but an employment which keeps all the faculties of the mind in constant exercise cannot be classed with these. Lamb himself found not only the means to live but matter for much of his best literary work in the India House which he so heartily cursed; and a chemist's assistant is better off in this respect than any bookkeeper. And of the "divine leisure" for which he so longed one may have enough, as he reminded Bernard Barton, with much longer hours than his—"enough for relaxation, mirth, converse, poetry, good thoughts, quiet thoughts." I am not condemning the demand for short hours so long as it is reasonably urged, but there is a point beyond which it is not reasonable. As an "old hand," I am inclined to think that chemists' assistants have now little or nothing to complain of in this respect, and, while welcoming the announcement that the Early Closing Act is to be renewed, I hope our hours, at any rate, will not be further shortened.

THE cost of drugs and dressings at University College Hospital, London, last year, amounted to 5,604*l.*, compared with 2,324*l.* in 1914.

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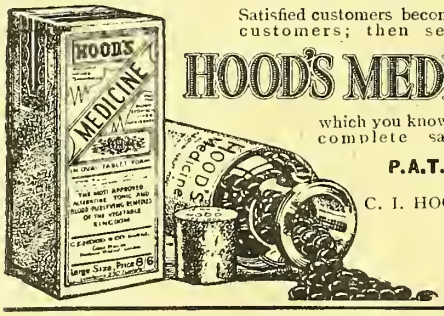

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Editorial Articles.

Safeguarding of Industries Bill.

THE text of the Safeguarding of Industries Bill has now been issued, and we give it in full on pp. 59-60. It follows closely the lines indicated by the President of the Board of Trade in moving the financial resolutions in Parliament on May 9, and most of its provisions are now familiar to our readers through the report of the discussions given in this journal. It will be remembered that these financial resolutions were forced through the House of Commons last week by the remorseless use of the closure, so that the opposition that developed when the second reading of the Bill came on this week was not surprising. There is little real controversy in respect to the first part of the Bill, which is intended to safeguard the selected key industries which without special help would drift back into foreign hands. It is proposed to place on these industries (the schedule of which is practically the same as that in Sir Auckland Geddes' abandoned Bill of 1919) "duties of Customs equal to one-third of the value of the goods." This, *inter alia*, will apply to

All synthetic organic chemicals (other than synthetic organic dyestuffs, colours, and colouring matters, imported for use as such, and organic intermediate products imported for their manufacture), analytical reagents, all other fine chemicals and chemicals manufactured by fermentation processes.

This 33⅓ per cent. protection for a period of five years should be of material assistance in placing the British fine chemical industry on its feet again. Sir Alfred Mond admitted that protection means "increased prices" to the consumer, but the chief fact cannot be too often reiterated, and that is—the leading fine chemical makers in Germany have deliberately and systematically set themselves the task of destroying the British industry. This fact was clearly brought out during the debate last week. Moreover, Germany is out to obtain the export trade of the world by depressing the exchange whenever it improves, by the issue of more paper money, so that it would be a grave danger to sit still and do nothing. Part II. of the Bill deals with the prevention of "dumping" or the selling in England of foreign manufactured goods at a price less than the wholesale price in the country of origin, and the exchanges provision is not so rigid as has been supposed. In the 1919 Bill there was fierce criticism on this point because this provision was conferred upon an uncontrolled authority of a Government department. But the exercise of these powers under the present Bill is entirely dependent upon the findings of an independent committee. Under the terms of the Bill a complaint must be made to the Board of Trade that goods are being dumped here, or home manufacturers undersold by reason of a collapsed exchange. It is then in the option of the Board of Trade to refer the complaint to a committee constituted for the purpose. In such case this committee would consist of three selected by the President of the Board of Trade from a permanent panel of persons of commercial or industrial experience. After the report of the committee the Board of Trade may make an Order to levy the 33⅓ per cent. duty. Such an Order, it is stipulated, must not be at variance with any treaty, convention, or arrangement which we have with any foreign State, and it must be laid before the House of Commons for twenty-one days. If the House presented an address against the Order, it could be annulled by the King in Council. It will thus be seen that good precautions are devised against any abuse of the system of special charges. It

is, of course, useless to ignore the fact that the Bill contains highly controversial matter, but key industries stand in a class apart from other industries and must be protected until they are capable of taking care of themselves. During the debate the President of the Board of Trade announced that later he proposed to set down a clause dealing with the establishment of a committee to watch the development of these scheduled industries and to prepare an annual report to Parliament of their progress. He hoped also to be able to devise some method by which they could judge the condition of these industries. If, for example, the committee found that after a limited period, say two or three years, no progress had been made, then steps would be taken to remove the protective duty. The Government is determined to pass the Bill, but considerable opposition may develop in the House of Lords. If the Lords can improve it as an instrument to effect what the Government has in view so much the better.

The Fate of Emergency Measures.

LAST month saw the end of one of the most futile experiments in emergency legislation with which the war has made us familiar—the Profiteering Act. That it has been allowed to die a natural death, without any official attempt at lengthening its term of existence by the customary artificial devices, is convincing testimony of its unsoundness. How inadequate it was for the purpose for which it was passed—the protection of the consumer against being charged extortionate prices for the commodities he had to buy—was recognised soon after the Act came into operation. In the nature of things an excessive price charged to a consumer could only be a retailer's price, and against the retailer consequently proceedings were taken, with the almost invariable result that the excess in price charged turned out to be but trifling, the party really responsible for the high price being not the retailer but the wholesaler from whom he bought. The result was that, eager as the public was to see profiteering suppressed and the offenders punished, they soon became convinced that punishments inflicted under the Act were of doubtful justice, and that the penalties did not fall upon those whom it was essential they should reach. Some public benefit might even now be derived from the Act if the experience of its ineffective working would only teach those responsible for the control of our legislative machine to hesitate about devising hasty remedies for a state of things in its nature abnormal and temporary. But we confess that we feel inclined to doubt if this lesson will be taken to heart in the present condition of the national mind. Only quite recently we find a deputation from the Early Closing Association waiting upon the Home Secretary to ask him to have placed permanently on the Statute Book the crude regulations as to the early closing of certain shops, which, during the course of the war, were made by an Order in Council under the Defence of the Realm Regulations. These are at present temporarily legalised by the Shops (Early Closing) Act, 1920, a measure which is due to expire in the ordinary course with the close of the present year. The Home Secretary showed himself quite sympathetic to the views put before him, saying that he was sure nobody wanted to go back to the old conditions as to hours. Unfortunately there appears to have been no one present to tell Mr. Shortt that if that is so then nobody will go back to them, and there is no need further to cumber the Statute Book with a piece of quite superfluous legislation. This much must be said without any reference to the merits or demerits of the proposals for the early closing of shops. It is evident that we run great risk of becoming the victims of a law-making mania which appears to be taking possession of those who control and give legislative expression to the currents of opinion which pass over the country.

Vegetable Oils.

THE coal famine, and the severe restraint thereby involved on the state of practically all industries in the country, will doubtless be felt for some time after the dispute is over. Notwithstanding the inevitable curtailment of home consumption in vegetable oils, as in most other commodities, it is curious that developments in that important industry have been characterised by so much firmness; this refers particularly to linseed oil. There has certainly been no rush of buying by consumers in any of the seed oils, yet there seems an impression that firm markets may more or less continue for some time. The fact, however, must not be overlooked that crushing operations have had perforce to be curtailed further during the last few months, so that decreased absorbing power has probably been offset to a large extent. Crushers' outputs were rapidly developed in 1919 from what they were in the previous year, but operations in the closing months of 1920 suffered a considerable contraction, chiefly as a result of the world-wide industrial depression. According to the trustworthy estimated returns given below of the total home production of the chief seed oils for the last three years, it will be seen that the industry experienced a rapid recovery in 1919, in spite of enormous fluctuations in values, but this was followed by most critical times after the culmination of the boom last year:

U.K. Output	1918	1919	1920
	Tons	Tons	Tons
Linseed oil	78,000	173,600	125,000
Cotton oil	57,500	77,600	75,300
Rape oil	19,100	26,100	9,200
Total	154,600	277,300	209,500

It is evident that the production of these oils since the beginning of this year has been at a proportionately much smaller rate than in the same period last year, and it will remain low until the fuel difficulties are entirely removed. The outstanding feature in the recent rallying movement, which has aroused so much comment, has been the buoyancy of linseed oil, which at one period quite recently marked a recovery of about 10*l.* per ton from the lowest recorded in April, whereas the advance noted in cotton oil has been only moderate, although rape oil has also risen substantially just lately. We give below the London spot quotations, showing the fluctuations which have taken place between April 27 and June 4, both in the oil-products and raw materials:

1921	April 27	June 4
	£ s.	£ s.
Linseed oil	25 10	32 5
Plate linseed	15 0	17 0
Cotton oil, crude Egyptian	31 0	35 0
Cottonseed, Egyptian black... ...	12 15	12 0
Rape oil	45 0	55 0
Rapeseed Toria	17 5	20 5

Home consumers, whose activities have been reduced to a minimum, have mistrusted the market, seeing that prices have crept up steadily, with no real justification in their opinion. This opinion is based on the general trade paralysis, but it is a remarkable fact that some very considerable business has been going through in the case of linseed, more especially on Continental account. The strong upward reaction which has ensued from the long depression which spent itself in April, is now considered by not a few to have been the outcome of the theory that the big slump was much overdone, and that, but for the coal troubles, the recovery would possibly have reached more important proportions. When the depression was at its worst, the demand for linseed was practically at a standstill, with offers of the River Plate product going begging down to about 13*l.* 10*s.* c.i.f. U.K. ports for forward shipment; but the price has since risen to about 17*l.* per ton for spot delivery, while it is rather significant that terms for forward shipment are now at well above this. The straitened position in the River Plate has had something to do with the pronounced strength of seed. Shippers have been quickly influenced in their views by the rate of exchange, and especially by the industrial troubles, whereby the shipments have become much hindered. The movement of supplies from the interior to the ports has been fairly well maintained, and the visible surplus out there is increasing; but clearances are held up by the strike on the seaboard, and, in the meantime, there has been a rapid reduction in the quantities afloat to this side and Continental ports. Should an important American demand now assert itself, after a protracted lull in that direction, still more stringent conditions may be experienced in seed. The difficulty affecting Plate seed has tended to create more interest in Indian seed. The question of shipment, too, has been complicated by shortcomings in bunkering facilities. The fact has to be noted that the area under cultivation in Canada has been this year very materially curtailed. The outlet for linseed oil and cake on the Continent having shown a considerable expansion, this obviously has helped in strengthening the whole position, although there is just the possibility that the advance in linseed oil may prove to be overdone under forward speculative buying. As regards cotton oil, its value was, even during the March-April slump, kept at what was still considered an unduly high level compared with linseed oil, and for this reason, therefore, the upward reaction has been restricted, while the price of Egyptian cottonseed is now, as a matter of fact, lower than it was about a month ago. The outlet for edible quality is not so good as it was early in the year. As the butter supplies become more normal at a lower level of prices, the run on margarine tends to lessen. Uncertainty as to future supplies of cottonseed from Egypt, due to the recent troubles there, has restricted new offers, but this has not had much effect, although the total receipts at Hull this year to the end of May were only 84,308 tons, compared with 101,139 tons in the same period last year. There has been a large increase in the arrivals from Egypt; on the other hand, the contributions from India fell to absurdly low dimensions. The latter fact chiefly affects the output destined for the soap-oil trade. So far as this market is concerned, movements in rape oil have been nominal and chiefly the reflex of the strength in the Continental markets. The arrivals of rape seed on this side have remained limited, crushers evincing but little interest, so that the home output is very small, as already indicated by the returns for last year included in the tabulated figures we have given.

Summer Outings.

Garden Party at Birmingham.

THE Birmingham Pharmaceutical Association was invited to a garden party and whist-drive, on June 1, by Mr. and Mrs. E. W. Mann, at their residence, Pakenham Road, Edgbaston, in aid of the Pharmaceutical Society's Benevolent Fund. About sixty members and friends attended, and prizes were given to the successful competitors in various sports. A substantial meal was provided by the hostess, and, the weather being propitious, a pleasant evening was spent. Mr. H. O. Lloyd, a member of the Benevolent Fund Committee, thanked the host and hostess for the gratifying result of an addition to the Committee's funds of 14*l.* 1*s.* The total sum raised in Birmingham during the last six weeks for the Benevolent Fund amounts to 60*l.* 9*s.*

Masonic Outing.

THE joint excursion of the Manchester and District Pharmacists' Masonic Association and the Liverpool and Merseyside Pharmaceutical Freemasons, to Higher Hodder Bridge, on June 1, was a most enjoyable outing. The parties met at Bolton Station, where three charabancs were waiting for the direct run via Belmont and Blackburn to Mitton, where a short halt was made, and the church, built in the twelfth century, was visited. Afternoon tea was served on arrival at Hodder Bridge Hotel, and ramblings by the river filled the interval till 6 o'clock, when dinner was served. Brother Sir W. H. Veno occupied the chair, with Worshipful Brother D. R. Rowlands, P.M., P.P.A.G.S., as vice-chairman,

and Brother D. Dickson as D.C. After the toast of "The King," Brother Sir W. H. Veno, as chairman of the Manchester Association, welcomed the Liverpool brethren in a brief but effective speech, and expressed the hope that this would be the first of a series of similar meetings. Worshipful Brother D. R. Rowlands, as chairman of the Liverpool Association, reciprocated the welcome. Brother W. H. Saunders (Liverpool) then proposed the health of the chairman and Lady Veno. Worshipful Brother H. Thompson (Salford) next proposed the health of the hon. secretary (Brother A. Newton), who, assisted by Brother R. G. Sovier, hon. secretary of the Liverpool Association, organised the excursion. The start for home was made at 7 o'clock, the party arriving at Bolton Station at 8.45, in good time for trains to Manchester and Liverpool.

CHLORINE PURIFICATION OF WATER.—To remove the unpleasant taste that remains after the purification of drinking-water with chlorine Sir Alexander Houston finds that the addition of potassium permanganate in the proportion of from 2 lb. to 8 lb. per million gallons is effectual.

A "SURGICAL" OPERATION.—Ear-plugging as a remedy for sea-sickness has again made its appearance in the lay Press—this time with the reservation, made by "a ship's surgeon," that "no one but a doctor should do the packing." This brilliant operation, no doubt, merits a special diploma.

AMONG recent additions to the National Portrait Gallery in London are oil paintings of Sir William Henry Perkin (1838-1907), of aniline-dye fame, Sir Michael Foster (1836-1907), the physiologist, and a miniature of Dr. John Avery (1807-1855), inventor of prototypes of the ophthalmoscope and laryngoscope.

Safeguarding of Industries Bill.

THE following is the text of the Safeguarding of Industries Bill, which was read a first time in the House of Commons on May 31.

A Bill to impose duties of Customs on certain goods with a view to the safeguarding of certain special industries and the safeguarding of employment in industries in the United Kingdom against the effects of the depreciation of foreign currencies, and the disposal of imported goods at prices below the cost of production, and for purposes connected therewith.

PART I.

SAFEGUARDING OF KEY INDUSTRIES.

Charge of Customs Duties on Goods in Schedule.—1.—(1) Subject to the provisions of this Act there shall be charged, levied, and paid on the goods specified in the Schedule to this Act, on the importation thereof into the United Kingdom, duties of Customs equal to one-third of the value of the goods.

(2) Where any other duties of Customs, not being duties chargeable under Part II. of this Act, are chargeable in respect of any goods chargeable with duty under this section, duty under this section shall not be charged except in so far as the amount thereof exceeds the amount of those other duties.

(3) No duty shall be charged under this section on goods which are shown to the satisfaction of the Commissioners to have been consigned from and grown, produced or manufactured in the British Empire, and for the purposes of this sub-section goods shall be deemed to have been manufactured in the British Empire which would be treated as having been so manufactured for the purposes of Section 8 of the Finance Act, 1919 (which relates to Imperial preference), and that section shall apply accordingly.

(4) Where an imported article is a compound article of which an article liable to duty under this section is an ingredient or forms part, no duty shall be charged under this section in respect of the compound article if the compound is of such a nature that the article liable to duty has lost its identity, and any dispute as to whether an article has lost its identity shall be determined in like manner as disputes as to whether goods are goods specified in the Schedule to this Act.

(5) For the purpose of preventing disputes arising as to whether any goods are or are not any goods chargeable with duty under this part of this Act, the Board may from time to time issue lists defining the articles which are to be taken as falling under any of the general descriptions set out in the said Schedule, and where any list is so issued defining the articles which are to be taken as falling under any such general description, the said Schedule shall have effect as if the articles comprised in the list were therein substituted for that general description.

Every list issued under this section shall be published forthwith in the London, Edinburgh, and Dublin Gazettes, and in such other manner as the Board think proper.

If within three months after the publication of any such list any person appearing to the Board to be interested delivers to the Board a written notice complaining that any article has been improperly included in, or excluded from, the list, the Board shall refer the complaint to a referee to be appointed by the Treasury, and the decision of the referee shall be final and conclusive, and the list shall be amended so far as is necessary in order to give effect to the decision, without prejudice, however, to the validity of anything previously done thereunder.

PART II.

PREVENTION OF DUMPING.

Power of Board of Trade to Apply Part II. to Certain Goods.—2.—(1) If, on complaint being made to the Board to that effect, it appears to the Board that goods of any class or description (other than articles of food or drink) manufactured in a country outside the United Kingdom are being sold or offered for sale in the United Kingdom—

(*a*) at prices below the cost of production thereof as hereinafter defined; or

(*b*) at prices which, by reason of depreciation in the value in relation to sterling of the currency of the country in which the goods are manufactured, are below the prices at which similar goods can be profitably manufactured in the United Kingdom;

and that by reason thereof employment in any industry in the United Kingdom is being or is likely to be seriously affected, the Board may refer the matter for inquiry to a committee constituted for the purposes of this part of this Act.

(2) If the committee report that as respects goods of any class or description manufactured in any country the conditions aforesaid are fulfilled, the Board may by order apply this part of this Act to goods of that class or description if manufactured in that country:

Provided that no such order shall be made which is at variance with any treaty, convention or engagement with any foreign State in force for the time being.

(3) An order made under this section shall be laid before the Commons House of Parliament as soon as may be after it is made for a period of twenty-one days during which that House has sat, and if that House before the expiration of that period presents an address to his Majesty against the order his Majesty in Council may annul the order, and thereupon the order shall become void, but without prejudice to the validity of anything previously done thereunder.

Charge of Customs Duties on Goods to which Part II. Applies.—3.—(1) Subject to the provisions of this part of this Act, there shall be charged, levied, and paid on goods of any class or description in respect of which an order has been made under this part of this Act, if manufactured in any of the countries specified in the order, on the importation thereof into the United Kingdom, in addition to any other duties of Customs chargeable thereon, duties of Customs equal to one-third of the value of the goods.

(2) Where goods are manufactured partly in one country and partly in another, or undergo different processes in different countries, and any one or more of those countries are countries in relation to which an order applying to the goods in question has been made under this part of this Act, the goods shall be liable to duty under this part of this Act unless it is proved to the satisfaction of the Commissioners that 50 per cent. or more of the value of the goods at the time of export to the United Kingdom is attributable to processes of manufacture undergone since the goods last left any country in relation to which such an order has been made.

(3) An order under this part of this Act may extend to goods brought back into the United Kingdom after having been exported therefrom for the purpose of undergoing any process out of the United Kingdom, and in such case the goods shall be deemed for the purposes of this part of this Act to have been manufactured in the country in which they have undergone such process, but the importer shall, on proof to the satisfaction of the Commissioners of the value of the goods free on board at the time of such exportation, and of the identity thereof, and that no drawback has been allowed thereon on the exportation thereof, be entitled to be repaid by the Commissioners such proportion of the duty paid under this part of this Act on the goods so brought back after having undergone such process as aforesaid as represents the duty on the value of the goods before exportation.

Remission and Repayment of Duty in Certain Cases.—4. Where an order has been made under this part of this Act applying this part of this Act to goods of any class or description on the ground that goods of that class or description being sold or offered for sale in the United Kingdom at prices below the cost of production thereof, the following provisions shall have effect:

(1) If any person by whom any duty would be payable proves to the satisfaction of the Commissioners that the goods in respect of which the duty is payable have already been sold in the United Kingdom at a price which was not less than the cost of production the payment of duty shall be remitted.

(2) If any person by whom any duty has been paid proves to the satisfaction of the Commissioners that the goods were on the first sale thereof within the United Kingdom sold at a price which was not less than the cost of production of the goods, or where there has been a change in the market conditions of the country of manufacture, not less than the amount which would on the date of sale have been the cost of production in that country of similar goods, he shall be entitled to repayment of the duty so paid.

(3) No such remission or repayment of duty shall be made unless and until there is produced to the Commissioners a declaration in the prescribed form made by the consignor of the goods stating the cost of production, at the date of the declaration, of the goods, and the country of manufacture of the goods, certified by a British consular officer, or by some other person duly authorised by the Board to give certificates for the purposes of this part of this Act, to be to the best of his knowledge and belief a true declaration.

For the purpose of any claim to remission or repayment of duty under this section, the declaration by the consignor, duly certified by a British consular officer or other person as aforesaid, shall be conclusive evidence of the amount of

the cost of production of the goods to which the declaration relates.

A certificate under this section shall be in such form and be subject to such conditions as to period of validity and otherwise as the Board may direct.

(4) Where goods which have been charged with duty are, without being sold, used in the United Kingdom for any purpose, they shall, for the purposes of this section, be deemed, on being so used, to have been sold, and in such a case the sale price shall for the purposes aforesaid be taken to be an amount representing the price at which the goods were actually purchased from the exporter, together with freight and insurance and the amount of any import duty, other than the duty under this part of this Act, which may have been paid in respect of the goods.

Power to Require Proof of Origin of Goods.—5. It shall be lawful for the Commissioners, in the case of any goods which if manufactured in a particular country would be liable to duty under this part of this Act, to require the importer to furnish to the Commissioners proof in the prescribed form with respect to the country of manufacture of the goods, and if such proof is not furnished to the satisfaction of the Commissioners the goods shall be deemed to be goods manufactured in the first-mentioned country:

Provided that the Commissioners shall require such proof in the case only of goods consigned from such countries as the Board may direct.

Exceptions.—6. Subject to such conditions as the Commissioners may direct for securing that the provisions of this part of this Act shall not be evaded, this part of this Act shall not apply to any goods which had left the place from which they were consigned to the United Kingdom not later than seven days after the date of the order applying this part of this Act to goods of the class or description in question.

Constitution of Committees.—7. (1) A committee for the purposes of this part of this Act shall consist of three persons selected by the President of the Board from a permanent panel of persons appointed by him, who shall be mainly persons of commercial or industrial experience.

(2) Any person whose interests may be materially affected by any action which may be taken on the report of a committee shall not be eligible for selection as a member of the committee.

(3) A committee to whom any matter is referred under this part of this Act shall forthwith inquire into the matter so referred and report thereon to the President of the Board.

Meaning of "Cost of Production."—8. In this part of this Act the expression "cost of production" in relation to goods of any class or description means the current sterling equivalent of—

(*a*) the wholesale price at the works charged for goods of the class or description for consumption in the country of manufacture; or

(*b*) if no such goods are sold for consumption in that country, the price which, having regard to the prices charged for goods as near as may be similar when so sold or when sold for exportation to other countries, would be so charged if the goods were sold in that country;

after deducting in either case any Excise or other internal duty leviable in that country.

Duration, etc., of Orders.—9. An order made under this part of this Act shall, unless previously revoked by the Board, continue in force for three years or such less period as may be specified in the order; but any such order may, subject to the provisions of this part of this Act, be renewed from time to time by an order made in like manner and subject to the like conditions as the original order:

Provided that the Board shall not have power to revoke any such order except after reference to and consideration of any report thereon by a committee constituted under this part of this Act, and that an order made on the ground of depreciation of foreign currency shall not be made or continue in force after the expiration of three years from the passing of this Act.

PART III.

GENERAL.

Value of Goods for Purposes of Act.—10.—(1) The value of any imported goods for the purpose of this Act shall be taken to be the price which an importer would give for the goods if the goods were delivered to him, freight and insurance paid, in bond at the port of importation, and duty shall be paid on that value as fixed by the Commissioners.

(2) If in ascertaining the proper rate of duty chargeable on any goods under this Act any dispute arises as to the value of the goods, that question shall be referred to a referee appointed by the Treasury, and the decision of the referee with respect to the matter in dispute shall be final and conclusive.

Sections 30 and 31 of the Customs Consolidation Act, 1876, shall, as respects any such dispute as to value, have effect as if an application for a reference to a referee under this provision were substituted for the action or suit mentioned in those sections.

Determination of Disputes.—11. If any dispute arises as to whether any goods imported into the United Kingdom are goods specified in the Schedule to this Act or in any list made by the Board under Part I. of this Act, or are goods to which an order made under Part II. of this Act applies, the question shall be referred to a referee to be appointed by the Treasury, and the decision of the referee with respect to the matter in dispute shall be final and conclusive, and Sections 30 and 31 of the Customs Consolidation Act, 1876, shall apply as if the dispute were a dispute as to the proper rate of duty payable, with the substitution of an application for a reference to a referee under this section for the action or suit mentioned in those sections.

Supplementary Provisions as to New Duties.—12.—(1) If it is proved to the satisfaction of the Commissioners that a duty of Customs has been duly paid in respect of any goods under this Act, and the goods have not been used in the United Kingdom, a drawback equal to the amount of duty paid shall be allowed on those goods if exported as merchandise.

(2) Section 6 of the Customs and Inland Revenue Act, 1879, shall not apply to goods liable to duties of Customs under this Act, and any such goods imported into the United Kingdom after exportation therefrom shall be exempt from duty, if it is shown to the satisfaction of the Commissioners either that the goods had not been imported previously to exportation, or that no drawback of duty was allowed on exportation, or that any drawback so allowed has been repaid to the Exchequer:

Provided that goods which have been imported and exported by way of transit under bond shall not be deemed to have been imported or exported under this provision.

Exception for Transit Goods.—13. Subject to compliance with such conditions as to security for the re-exportation of the goods as the Commissioners may impose, this Act shall not apply to goods imported for exportation after transit through the United Kingdom or by way of transhipment.

Interpretation.—14. (1) In this Act—

The expression "the Board" means the Board of Trade; and anything authorised under this Act to be done by the Board may be done by the President, or a Secretary or Assistant-Secretary, of the Board, or by any person authorised in that behalf by the President of the Board:

The expression "the Commissioners" means the Commissioners of Customs and Excise:

The expression "prescribed" means prescribed by regulations made by the Board.

(2) This Act shall be construed together with the Customs Consolidation Act, 1876, and any enactments amending that Act, except that the Isle of Man shall not be deemed to be part of the United Kingdom.

Short Title.—15. This Act may be cited as the Safeguarding of Industries Act, 1921.

Duration of Part I.—16. Part I. of this Act shall continue in force for a period of five years from the commencement thereof and no longer.

SCHEDULE.

GOODS CHARGEABLE WITH DUTY.

Optical glass and optical elements, whether finished or not; microscopes, field and opera glasses, theodolites, sextants, spectroscopes, and other optical instruments.

Beakers, flasks, burettes, measuring cylinders, thermometers, tubing, and other scientific glassware and lamp-blown ware, evaporating dishes, crucibles, combustion boats, and other laboratory porcelain.

Galvanometers, pyrometers, electroscopes, barometers, analytical and other precision balances, and other scientific instruments, gauges and measuring instruments of precision of the types used in engineering machine shops and viewing rooms, whether for use in such shops or rooms or not.

Wireless valves and similar rectifiers, and vacuum tubes.

Ignition magnetos and permanent magnets.

Arc-lamp carbons.

Hosiery latch needles.

Metallic tungsten, ferro-tungsten, and manufactured products of metallic tungsten, and compounds (not including ores or minerals) of thorium, cerium, and the other rare earth metals.

All synthetic organic chemicals (other than synthetic organic dyestuffs, colours, and colouring matters imported for use as such, and organic intermediate products imported for their manufacture), analytical reagents, all other fine chemicals and chemicals manufactured by fermentation processes.

THERE are 49,000 retail drug-stores in the United States: an average of one store to every 2,048 of the population.—"Drug Topics."

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Ministry of Health Office-boys.

It was stated in the House of Commons on June 6 hat office-boys of fifteen employed at the Ministry of Iealth are paid 33*s*. 2*d*. per week, rising to 51*s*. 9*d*. at eventeen years of age.

Jamaica Citrus Fruit Industry.

Mr. Hurd asked the Secretary of State for the Colonies n June 1 whether correspondence has taken place etween the Colonial Office and the Government of amaica regarding the restoration of the citrus-growing ndustry of the colony, which was one of its mainstays wo or three decades ago; and with what result.

Mr. Churchill replied that he had received suggestions om the Governor of Jamaica to the effect that the citrus uit industry of the colony would be benefited if certain acilities were granted by the Government of Canada in ddition to those acquired under the Canada-West Indies greement. Correspondence is now proceeding with the ominion Government on the subject.

British Dyestuffs Corporation.

Captain W. Benn asked the President of the Board f Trade whether the British Dyestuffs Corporation reuse to supply British export firms with synthetic indigo, n the ground that they have their own selling arrangeents in the Far East, and that this decision tends to ivert trade from this country to Germany, Switzerland, nd the United States; and what steps does the Governent propose to take in the matter?

Sir P. Lloyd-Greame replied that he is informed that, nder the arrangements made by the British Dyestuffs orporation with their agents in China, the Corporation s precluded from making sales of its products to merhants in this country when it is known that the goods re destined for export to, and sale in, China. It is, owever, open to merchants supplying the Chinese arket to obtain their supplies in China through the gents of the British Dyestuffs Corporation in that ountry. He is informed that in all such cases the gents of the Corporation supply without requiring any nformation as to the ultimate purchasers. The Governent is not responsible for the management of the British yestuffs Corporation, and has no power to dictate the erms of agency agreements.

Wellcome Physiological Research Laboratories.

Mr. Hood asked the Minister of Health, on June 6, ith regard to the application of Mr. H. S. Wellcome, or a licence under the Housing and Town-planning Act, 919, of the Langley Park Estate at Beckenham, what re the safeguards and requirements referred to in the etter from the Ministry, dated May 28, addressed to he clerk of the Beckenham Urban District Council; hether he is aware that Mr. Wellcome has expressed is willingness to comply with such safeguards and reuirements; that the licence granted by the Beckenham rban District Council specifically provided for the preuises not being used for the purposes of trade, but nly for private research; that Mr. Wellcome is the roprietor of the business of a manufacturing chemist, nd the premises are required for the purposes of supplyg such business; and, if so, what is the position of he Beckenham Urban District Council in the matter?

Sir A. Mond replied that the facts of the case were onsidered at a public inquiry, at which full opportunity as afforded to all parties to make representations. The ecision which has been conveyed to the Council was rived at after considering all the circumstances. He as already sent to the Council a list of the conditions hich it is suggested should be complied with in any evelopment of this estate. The legal position has been t out in the letter forwarded to the Council.

Collecting German Reparation.

Mr. Kiley asked the Prime Minister on June 6 if e is aware that traders importing goods of German igin from France, Belgium, Holland, and Switzerland are not required to make any payment under the German Reparation (Recovery) Act, but that firms importing the same class of goods direct from Germany are called upon to pay His Majesty's Customs 50 per cent., and in some cases 100 per cent., of their value, and on similar goods imported since May 12 26 per cent., in addition to heavy charges for demurrage, rent, warehousing, etc.; and, in view of the undertaking by the German Government to pay to the Reparations Commission a sum representing 26 per cent. on all goods exported from Germany since May 1, is he now prepared to recommend the House to suspend the operations of the German Reparation (Recovery) Act, 1921?

Sir P. Lloyd-Greame replied that in view of the acceptance by the German Government of the Reparation Settlement, under which they have agreed to repay to exporters of goods from Germany the levy of 26 per cent. imposed by that Settlement, the Board of Trade have issued an Order limiting the application of the German Reparation (Recovery) Act to goods first consigned from Germany. All exports from Germany will be liable to the levy, but in the case of direct exports to this country the levy will be collected by the Commissioners of Customs and Excise. In the case of exports to countries which have not adopted similar legislation to our own the levy will be collected by the German Government. The answer to the last part of the question is in the negative.

American Microscopes.

Mr. R. Young asked the Secretary of State for India on June 2 whether he is aware that encouragement has been given to dumping by his Department in that an order for microscopes has been given to an American firm at a price 20 per cent. below the price charged by the same firm in America; what is the name of the firm; how many British firms tendered to do this work who are on the King's Roll; what advantage does membership of the King's Roll confer; what is the value of the order given, and what was the lowest British quotation; and do microscopes come within the definition of optical instruments in the Key Industries Bill.

Mr. Montagu replied that he is informed by the High Commissioner for India, in whose province the matter lies, that an order for microscopes was recently given on behalf of the Indian Government to the English agent of an American firm. Tenders had also been invited from three English firms. The quotations were all referred to the Indenting Department in India, who selected the tender for the American microscopes. He is not aware that the price was 20 per cent. below that charged in America. The name of the manufacturers is the Spencer Lens Company, the English agents being Standley Belcher & Mason. Tenders were received from two British firms, both of whom are on the King's Roll, as are also Standley Belcher & Mason. It has been laid down that, except in very special circumstances, British Government Departments shall not place orders with firms that are not on the King's Roll. The value of the order given for Spencer Lens microscopes is 2,797*l*. The lowest British quotation was 3,450*l*. The question whether microscopes come within the definition of optical instruments in the Key Industries Bill should be addressed to the President of the Board of Trade.

Voluntary Hospitals.

The final report of the Cave Committee on Voluntary Hospitals was issued on June 8. In the summary of recommendations, which, if adopted, would require legislation or executive action, the Committee states:

(1) That a Hospitals Commission be formed in manner and for the purposes as follows:

That there be set up a central body for Great Britain, which shall have as its first and principal duty the administration of the temporary grants here mentioned, but which would be available for the other functions mentioned in this report. This central body should be formed on the lines of the University Grants Committee, and might bear the name of the "Hospitals Commission." It should be appointed by the Minister of Health and should consist of not more than twelve members, of whom the chairman and

three others should be selected by the Minister of Health and one by the Secretary for Scotland, and of the remainder one should be nominated by each of the following bodies, namely, the Joint Committee of the Red Cross Society and the Order of St. John of Jerusalem, King Edward's Hospital Fund for London, the British Hospitals Association, the Royal College of Physicians, the Royal College of Surgeons, the British Medical Association, and the Scottish Committee of the British Medical Association. Service on the Hospitals Commission should be voluntary, but it should be advised by a technical expert and will require a small clerical staff. Its expenses should be borne on the votes for the Ministry of Health.

(2) That Voluntary Hospitals Committees be formed; the King Edward's Hospital for London to perform the functions of a Voluntary Hospitals Committee for the Metropolitan Police District.

(3) That Poor-Law Guardians be authorised to enter into arrangements as to the use of infirmaries.

(4) That County Councils be empowered to contribute to the expenses of Voluntary Hospitals Committees.

(5) That failing the provision in the National Health Insurance Acts of a "hospital benefit," the Courts be authorised to award to hospitals compensation under the Employers' Liability and Workmen's Compensation Acts.

(6) That local authorities be authorised to pay the cost of the treatment in hospitals of persons in their employ.

(7) That the payment from technical education funds of grants for the training of nurses be considered.

(8) That provision be made for obtaining and tabulating returns of cases treated in hospitals.

(9) That all contributions by employers to hospital funds be allowed as deductions from profits for income-tax purposes.

(10) That where the payment to a hospital of a testamentary gift of residue is delayed for more than a year, the hospital be authorised to claim repayment of income-tax.

(11) That legacy and succession duty on testamentary gifts to hospitals be remitted.

(12) That Parliament be asked to sanction a temporary grant of 1,000,000*l.* to be expended under the direction of the Hospitals Commission in the assistance of hospitals which require it.

(13) That the Hospitals Commission be authorised during a period of two years to recommend grants for the extension and improvement of hospitals, subject to like contributions being made from private sources.

Safeguarding of Industries Bill.

The motion for the second reading of the Safeguarding of Industries Bill was debated in the House of Commons on June 6 and 7. Mr. Stewart, one of the earlier speakers, called attention to the underhand means by which Germans secured business, and added: "If you ever saw any particularly blatant advertisement by a British company you might be sure that there was something German about it." Sir Philip Sassoon made a strong appeal to the House by recalling the chemical surprise which the Germans used in the Flanders campaign in 1917. Considerable time was taken in the course of the debate by reference to the chemical and scientific glassware in this country. A report of Sir Joseph Petavel, of the National Physical Laboratory, was quoted as proof that British makers can make as good apparatus as the Germans. Mr. D. Herbert said he knew three glassworks in this country, one in Yorkshire, one at Perth, and one at Walthamstow, where scientific glassware is made, and Mr. A. M. Samuels interjected "and Branson's, of Leeds, as well." Mr. Herbert, continuing, said that Duroglass, Ltd., was started for the express purpose of making scientific and chemical glassware, and does nothing else. During the debate on June 7 Mr. Herbert Fisher, President of the Board of Education, likened the character of the Bill to strychnine, "which taken in large quantities is lethal, but administered in small quantities by qualified practitioners is efficacious to patients suffering from heart weakness. Although it is poison taken in unlimited quantities, nevertheless in certain circumstances it may be found to be a useful tonic." Captain Bagley raised the question of the control by Germans of the raw materials required for the fine-chemical industry in this country. He said "that is actually being done in regard to one industry at the present time, the industry engaged in the manufacture of potassium compounds, including muriate, sulphate, carbonate, caustic and other compounds. Some of these compounds are raw material essential to the manufactures of dyes, optical glass, and many other key industries. If supplies of these are not assured us, Part I. of the Bill will be a failure. The base or raw material of all these compounds is potassium chloride. The German manufacturers who before the war had the great monopoly of it, and who at the present time alone have sufficient plant to manufacture it, are charging in this country a price which is four times as great as the price at which they supply this potassium chloride to the manufacturers in their own country. The result is that it is impossible for manufacturers in this country to go on and manufacture further compounds from this semi-raw material. A corporation, I believe, has been set up in this country not unconnected with Herr Stinnes, the great octopus of German industry, with the avowed purpose of capturing the potash industry. Seeing that this, in itself, is the key to many of the other industries, I say that here is a case, to use the Minister of Health's words, of sales as a deliberate policy on the part of producers in one country in order to ruin the industry of potassium compounds in this country. There is nothing that I can see in this Bill to meet it, and I hope it will be possible to remedy this in Committee." The Bill passed the second reading by a majority of 220.

The Dentists Bill.

The Committee stage of the Dentists Bill took place in the House of Commons on June 7 and was reported to the House the same day. Lieut.-Colonel Fremantle proposed an amendment to Clause 1 to place all existing unregistered dentists on a special list of registration which would permit them to continue the practice of dentistry. The British Dental Association, he said, is willing to admit unregistered dentists to the Register on condition that in future all men who practised are properly under control. This position has been taken up in the public interest. The Association objected to the idea that men who have not gone through sufficient training of the theory as well as the practice of dentistry should be placed on a register on equal terms with themselves. Colonel Wedgwood contended that the amendment meant continuance of a corporation of vested interests in dentistry similar to that of the British Medical Association in regard to medicine. There should be a uniform standard of dental treatment in the country, but the Bill sought to set up a new board for the purpose of preventing people from entering the new corporation. Mr. Seddon said there are approximately 10,000 men in this country engaged in unregistered dentistry, and these men have gained the confidence of the public. He asked the British Dental Association to adopt the new system of registration in a generous spirit. Mr. Hartshorn hoped the Committee would not accept the amendment, which aimed at making an inner and outer circle. The inner circle would be known as the aristocracy of the profession. Major Molson thought it would be a good thing to have two stages—A and B—so that those in the lower category, after a specified period, could pass to the higher category. Sir A. Mond said as the amendment stood the unregistered dentist would not be placed on the register. He did not agree with the idea of dividing the profession between sheep and goats. If the amendment were accepted it would cut right across the whole foundation of the Bill. Lieut.-Colonel Fremantle said that the British Dental Association did not wish to wreck the Bill, and he would withdraw the amendment. Mr. Seddon moved an amendment to Clause 5 to include membership of the National Dental Association or the Chemists' Dental Society among the qualifications for admission to the new register. Mr. Acland said the fact that the National Society had refused to certify the evidence of one of its members before the Departmental Committee was sufficient to exclude that Society. Mr. Hartshorn said the Chemists' Dental Society is prepared to accept the Bill as it stands, and do not press for inclusion in the clause. By twenty-six votes to six Mr. Seddon's amendment was defeated.

On Clause 4, which provides that all the directors managers, and operating staffs of dental companies shall

be registered dentists, Sir T. Robinson moved that only one of the directors need be registered. Sir A. Mond replied that one is too few. As a compromise he would agree to a provision that the majority of the directors should be registered dentists. The amendment was withdrawn and effect was given to the compromise, reference to managers being omitted.

Sir T. Robinson moved an amendment that no person should be liable to have his name erased from the register as having been guilty of any infamous or disgraceful conduct in a professional respect with regard to any act of advertising or any purely professional offence committed before he was registered, or of advertising in a manner not deprecatory of other practitioners, and not calculated to mislead or deceive. There was, he said, nothing in the Bill to penalise advertising as advertising, but an attempt might be made by the Board to interpret Clause 7 (dealing with erasures from the register) in that direction. The question arose whether a simple intimation of the existence of a business would be considered as "infamous" and "detrimental." Sir A. Mond said that if there is any doubt on the matter he would consider the advisability of inserting an amnesty for what had been done before the Bill became an Act, but in other respects he could not accept the amendment. The Committee should not go out of their way to assist and promote advertisements of this character. Individual practitioners are not allowed to advertise, and it would not do that they should have the disadvantage of strongly financed companies being allowed to advertise. The amendment would involve the exercise of a censorship. Mr. Briant said that a great deal of harm had been done by the advertising of cheap teeth. It was preposterous that the men who were to be admitted to the register should be allowed to advertise, while the men on the register were not allowed to do so. The amendment was withdrawn. Lieut.-Colonel Fremantle moved the deletion of Clause 8, which gives an appeal to the High Court against removal from the register or refusal to register. The dental profession, he said, should be brought into line with the medical profession. Mr. Bartley Denniss said the medical profession is tyrannised by the fact that there is no appeal from the General Medical Council This clause would prevent people from suffering from all kinds of petty malice such as he had seen in the rulers of the medical profession. The amendment was withdrawn. A Government amendment to leave out the words "for fee or reward" in Clause 1 was agreed to.

The Bill was, after further discussion, ordered to be reported to the House.

Fifth International Rubber Exhibition.

The first Rubber Exhibition, held in London in 1908, was limited in scope solely to the interests of the rubber industry, as was the second exhibition, held in London in 1911, and the third, which took place in New York in 1912. The scope of the fourth exhibition, in London 1914, was extended to embrace the interests of cotton. The present exhibition, which was opened at the Royal Agricultural Hall, London, N., on June 3, and remains open until June 17, includes not only rubber and cotton, but also other tropical products and allied industries. The exhibiting Governments include Belgium, Borneo, Brazil, Ceylon, Colombia, Egypt, Fiji, France, Gambia, Gold Coast, Malaya, Netherlands and Netherlands East Indies, Peru, Philippine Islands, and Portugal. The samples of native handiwork render the exhibition of more than business interest. Rubber, in all its stages of manufacture, from the latex to the finished article, may be inspected, and the importance of chemicals in the various processes involved is realised by visits to that class of exhibit. The following are among those of most interest to the drug-trade.

African and Eastern Trade Corporation, Ltd., and their associated companies, are exhibiting soaps, cocoa, coconut and palm-kernel oils, etc.

The Anchor Chemical Co., Ltd., cater for all the requirements of the rubber manufacturer. Their elaborate exhibit includes samples of a wide range of chemicals and indiarubber substitutes.

Cadbury Brothers, Ltd., have some excellent specimens of cocoa beans and pods showing the growth at several stages. Bournville cocoa and chocolates and cocoa butter are displayed.

Chance & Hunt, Ltd., are showing samples of zinc white, ammonium carbonate, rubber sulphur, lithopone, and linoleum ochre. These are neatly arranged in an attractive showcase situated in King George's Hall.

Cookson & Co., Ltd., specialise in lead and antimony compounds, and both of these metals are shown in their raw states.

Foster & Gregory, Ltd., have a good display of pigments, etc., particular attention being given to golden and crimson sulphuret of antimony.

James Lyne Hancock, Ltd., who, as recently recorded in the *C. & D.*, have completed a century as manufacturers, produce rubber goods of every description. Some interesting relics of the past are on view at their stand.

Harrisons & Crosfield, Ltd., are secretaries and managing agents for a number of companies. The wide range of tropical products displayed at their stand includes tea seed, ginger, pepper, nux vomica, cinnamon, and coconut oil.

Lever Brothers, Ltd., are represented by their associated companies, including Blondeau et Cie., the Crown Perfumery Co., Ltd., W. Gossage & Sons, Ltd., A. & F. Pears, Ltd., Price's Patent Candle Co., Ltd., and Vinolia Co., Ltd.

The Leyland and Birmingham Rubber Co., Ltd., have devoted a portion of their stand to hot-water bottles, rubber tooth-brushes, enemas, and other surgical sundries.

Louis Minton, besides showing a good range of chemicals, calls attention to "mintite," by the use of which a polished mica finish, which does not crack and is also acid-resisting, is obtained.

The North British Rubber Co., Ltd., manufacture practically everything that can be made from rubber. Waterproof sheeting, air-pillows, hot-water bottles, and other kinds of rubber goods handled by chemists may be inspected at their stall.

Pirelli, Ltd., have a good selection of surgical articles made of hard and soft rubber. This section of the exhibit includes douches, ice-bags, enemas, bathing-caps, etc. All the articles are well made.

Alfred Smith, Ltd., are exhibiting all kinds of chemical requisites for the rubber, cable, and allied trades. Kirimar, one of their specialities, is an insecticide and wood-preserver suitable for use on rubber and other plantations.

Typke & King, Ltd., whose experience in the chemical trade dates from 1883, have a well-arranged display of practically all the compounding ingredients used in the manufacture of indiarubber goods. Particular attention is given to their antimony sulphides, which have achieved a world-wide reputation.

United Chemical Works are represented in the United Kingdom by Mr. K. Rayment, who is showing "Superol," an antiseptic for surgical and gynæcological uses. This preparation is stated to prevent "rustiness in sheet-rubber."

Venesta, Ltd., are showing packing-cases suitable for home and export trade, van and factory skips and trays.

The Washington Chemical Co., Ltd., are the sole manufacturers of "Pattinson's magnesia," both carbonate and calcined, light and heavy varieties. The magnesia is put on the market in the form of blocks, powder, and fluid.

Among exhibits of general interest are those of Joseph Baker, Sons & Perkins, Ltd. (grinding and other machinery), and Major & Co., Ltd. (agrisol and solignum).

It is announced that the University of Brussels has decided that there shall be no more "M.D., Brussels" examinations held, and no more diplomas for the degree delivered.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, June 9.

THE brighter outlook for an early settlement of the coal dispute is reflected in a slightly more confident tone in the markets, but the bulk of the inquiries are for small lots only, and there is no inducement to act otherwise at the moment, apart from the scarcity of money. The fact that a drug-auction has been held this week may help to stimulate business later, as, although little was disposed of, it helps to clarify the situation as regards the location of supplies; but such is the condition of business that the prices at which unsold lots were bought in afford little indication of the actual value of the goods. In view of depressed trade, it was decided to hold the next auction in September. Japanese refined camphor is dearer on an improved Continental demand. Balsam Peru is dearer to arrive and scarce on the spot; copaiba and tolu balsams are steady. Menthol is easier. Ergot is scarce and dearer, but new Spanish is due in August. Cod-liver oil has fluctuated, but the undertone is weak. Caraway and canary-seeds are easier, linseed is firmer, hemp scarce, anise steady, and fennel slow of sale. Cocoa butter is 1*d*. dearer. Turpentine is lower.

Higher	Firmer	Easier	Lower
Balsam Peru	Anise, star, oil	Bay oil	Ammon. chlor.
Camp or (Jp. ref. slabs)	Chloral hydrate	Bergamot oil	Caffeine, pure
Coc a butter	Linseed	Beranaphthol (re-sub.)	Cardamoms
Ergot	Saffron	Bleaching-powder	Honey
Hemp seed		Calcium lactate	Ipecacuanha (Rio)
Linseed oil	**Steadier**	Canary seed	Lead oxides
Sodium sulphide		Caraway seed	Lead, white and red
	Barbitone	Cassia oil	Litharge
	Hexamine	Clove oil	Mace
	Salicylic acid	Creosote	Methyl salicylate
	Salol	Menthol	Orange peel
		Para-formaldehyde	Potash chlorate
		Potash caustic	Quinine
		Pyrogallic acid	Rhubarb
		Rosemary oil (Sp.)	Sarsaparilla
		Soda hyposulph.	Senna
		Sodium cyanide	Sodium nitrate
		Spike oil (Sp.)	Thymol
		Tartaric acid	Turpentine
		Vanillin	

Cablegrams.

NEW YORK, June 8.—Business is quiet, with the following drugs and chemicals offering at lower prices: Cartagena ipecacuanha $2.10, taraxacum root 12c., serpentary 95c., short buchu $1.05, phenacetin $1.45, antipyrine $1.75, acetanilide 27c., formaldehyde 14c., vanillin 50c., and Oregon balsam of fir $1.55 per American gallon.

BERGEN, June 8.—The total catch of Norwegian cod since the opening of the season now amounts to 38,100,000 (last week, 37,000,000), against 35,300,000 at the corresponding period of last year, and the yield of steam-refined oil is 55,215 hectolitres (last week, 54,468 hectolitres), against 55,001 hectolitres at the corresponding period of 1920. Finest new Lofoten medicinal oil is firmer at about 95*s*. per barrel c.i.f. London.

Crude Drugs, etc.

ANTIMONY.—The demand all round is slow, and the tendency irregular. There is no reliable quotation obtainable for crude, sellers' views being widely divergent on either side of 17*l*. per ton c.i.f. U.K. Foreign regulus could probably be had at 24*l*. 10*s*. ex warehouse. English is selling in small lots only at 40*l*. to 42*l*., according to brand. The American market is very dull on ample supplies.

BALSAM PERU is dearer to arrive at 8*s*. 6*d*. per lb. c.i.f. Most of the cheap parcels on the spot have been disposed of, and little is offered at 8*s*. 3*d*. per lb.

BALSAM TOLU.—Several spot sales have been made at 1*s*. 10*d*. per lb.

BELLADONNA.—*Leaves* offer at 1*s*. 6*d*. and *root* at 1*s*. 7*d*. per lb. on the spot.

CADMIUM is steady, with sellers at 6*s*. to 6*s*. 3*d*. per lb. The demand is moderate.

CAMPHOR (REFINED).—A good spot business has been done in Japanese slabs, chiefly for export to France, at from 3*s*. 7½*d*. to 3*s*. 9*d*. per lb., and the latter price rules at the close. June-July shipment is offered at 3*s*. 1*d*. c.i.f., and Chinese at 3*s*. c.i.f. *Crude* on the spot is 2*s*. 4*d*. to 2*s*. 6*d*. per lb.

CANTHARIDES.—Russian is slow of sale at from 11*s*. 9*d*. to 12*s*. per lb. on the spot. In the drug-auction five cases Chinese were limited at 4*s*. 6*d*. per lb.

CHAMOMILES.—Fair white Belgian offer at 125*s*. down to 95*s*. for brown.

COCOA BUTTER is 1*d*. per lb. higher at 1*s*. 11*d*. for prime English ex works in not less than 1-ton lots.

COD-LIVER OIL.—Our Bergen correspondent writes on June 1 that the progress of the codfishery at Finmarken was poor last week—only 430,000 cod. The participation in the fishery is less than usual, only 1,663 boats, against 1,893 in 1920 and much more in previous years. The official statistics are as follows:

		Catch of cod (millions)	Steam-refined cod-liver oil (hectol.)	Livers for crude oil (hectol.)
To May 28, 1921	...	37,000	54,468	12,295
" " 29, 1920	...	33,000	49,997	5,646
" " 31, 1919	...	26,700	32,866	4,885
" June 1, 1918	...	21,400	18,215	12,041
" " 2, 1917	...	23,800	33,560	4,134
" May 27, 1916	...	47,000	55,321	5,026

Owing to the seamen's strike, which is still taking place, and which makes it impossible to ship goods, the cod-liver oil market is quiet. The price is consequently quite nominal. The supplies of oil from the factories at Lofoten and the other northern fishing districts are also hindered by the strike. However, it is presumed that this will shortly terminate. During the week prices have fluctuated somewhat, at one time 100*s*. c.i.f. being quoted, but offers have been made since at 92*s*. 6*d*. c.i.f., at which business has been done by London agents for finest new Lofoten oil.

COLCHICUM.—Corm can be had at 1*s*. 4*d*., foreign seed at 2*s*. 3*d*. to 2*s*. 6*d*., and English at 5*s*. 3*d*. per lb.

COPAIBA.—The quotation of 1*s*. 10*d*. per lb. for B.P. balsam in last week's issue was given to us in error. The lowest prices at which business has been done is from 2*s*. to 2*s*. 1*d*. per lb. for three- to five-case lots and 2*s*. 2*d*. for single cases.

DIGITALIS.—Good green leaf can be had at 75*s*. per cwt.

EGG PRODUCTS are dull, with sellers of prime Chinese liquid yolk at 125*s*. per cwt.; for June-August shipment there are sellers at 80*s*. per cwt. c.i.f. Dried yolk is 5½*d*. and sprayed whole egg 1*s*.; Native dried whole is 6*d*.—all spot. Prime hen albumen has been sold at 2*s*. 8*d*. per lb. on the spot, and 2*s*. 7*d*. per lb. c.i.f. is the value for June-July shipment.

ERGOT is scarce and dearer on the spot, holders asking 6*s*. per lb. The new crop Spanish is due July-August, but as yet there are no offers. In the drug-auction seven bags of fair, sound Portuguese were held at 6*s*., a bid of 4*s*. being refused.

FARINA continues dull, with Japanese No. 1 nominal on spot, and for June-July shipment 19*s*. per cwt. c.i.f. is quoted. Dutch on the spot is 18*s*. 6*d*., and June-July shipment 17*s*. 6*d*. c.i.f.

GALLS are quiet, with plum-shaped Chinese offering at 90*s*. per cwt. on the spot and 82*s*. 6*d*. c.i.f.; ordinary on the spot are quoted at 80*s*. and at 62*s*. 6*d*. per cwt. c.i.f.

GENTIAN.—The spot value of good French is about 50*s*. per cwt.

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GUM ACACIA is dull, with fair Sudan sorts offering at 15s. and cleaned at 47s. 6d. per cwt. on the spot.

HENBANE.—Foreign leaf can be had at 1s. 5d. per lb.

HENNA.—Good green can be had at from 135s. to 140s. per cwt. down to 99s. for brown.

LINSEED OIL.—A moderately active and fluctuating market has been the rule, the undertone being firmer, with no pressure to sell by first-hands in view of the continuous firmness and activity which has prevailed both in River Plate and Calcutta seed. London closes at 33l. and Hull at 33l. per ton naked.

LIQUORICE ROOT.—Natural Levant on the spot is offered at 32s. 6d. and Spanish at 45s.; decorticated cut is 85s.

LYCOPODIUM is quoted at from 16s. to 16s. 6d. per lb. on the spot. In the drug-auction a single case of treble-sifted Russian was held at 15s. per lb.

MAGNESIUM.—A fair inquiry is reported, prices ranging from about 5s. 6d. to 6s. per lb., according to description.

MENTHOL is quiet and easier, with spot sellers of Kobayashi-Suzuki at 20s. per lb., and June-July shipment at 16s. 6d. per lb. c.i.f.

MERCURY.—There has been an inquiry from India for limited quantities, but competition is keen, while the home demand is stagnant. Apparently large stocks are waiting for disposal, and it is very doubtful whether any further price-cut would have any material effect on the demand. Leading interests quote 11l. 10s. for Spanish, but offers are made in various directions at 11l. 5s. to 11l. per bottle. The feeling in America is uncertain, due to the proposed legislation.

PLATINUM.—Business is not brisk, but the tone is steady at 17l. per oz.; but leading interests are asking more money. Reports from the Continent allude to operations in the Urals being resumed, but there is no prospect for a long while yet of the industry being restored to what it was prior to the war.

SAFFRON is firmer at from 65s. to 72s. 6d. per lb. on the spot.

SAFROL on the spot in 28-lb. and 56-lb. tins is quoted at 7s. per lb. To come forward from the Continent is offered at 2s. 6d. c.i.f.

SHELLAC is quiet, the spot price showing little change on the week, usual TN Orange standard quality being quoted at 385s. to 390s. per cwt., fine lemon is 430s., fine second orange 415s., RL1 400s., and AC cakey 310s. August delivery shows a recovery from last week's substantial decline, sales passing at 305s. to 300s. to 285s. Sellers of TN June-July shipment quote 260s. c.i.f.

STRAMONIUM.—Good green leaf is offered at 145s. per cwt.

TURPENTINE.—While there is not much pressure to sell for spot and near deliveries, the tendency of which has been rather lower, the fact that the forward demand is practically at a standstill, and that some sellers are inclined to do business at a substantial discount, has unsettled the market. Quotations for forward positions are quite nominal. London closes at 82s. on the spot and for June delivery—a reduction of 3s. per cwt.

VALERIAN.—Belgian root is offered at 60s. per cwt. on the spot.

WOOD OIL.—For June-July shipment Hankow is offered at 64s. per cwt. c.i.f. Spot is scarce and value indefinite—probably about 90s.

Seeds and Spices.

ANISE is steady at 75s. per cwt. for Russian and 73s. to 78s. for fair to good Spanish.

CANARY SEED.—Owing to the arrival of about 4,000 bags from Morocco the market is easier at 80s. per quarter for fair ordinary and 95s. for good.

CARAWAY SEED is slow of sale and easier at 27s. 6d. per cwt. for fair Dutch and 19s. for North African.

CASSIA LIGNEA is dull, selected offering at 29s. and broken at 20s. per cwt.

CHILLIES are still scarce, Mombasa being nominal at from 120s. to 130s. per cwt. High prices are asked for Japanese for shipment, and these preclude business.

CLOVES.—Zanzibar remain quiet, with spot sales at 9d. per lb., and the value of June-July shipment is 8½d. c.i.f. Penang have been in small inquiry, but the quality offered is mostly indifferent.

CORIANDER SEED sells steadily at 18s. 6d. per cwt. for sound Morocco, and at 8s. 6d. to 11s. 6d. for wormy, according to condition.

CUMIN SEED is firm at 26s. to 30s. per cwt. for fair to good Morocco.

DILL SEED is quoted about 24s. per cwt.

FENNEL SEED is slow of sale at 35s. per cwt.

FENUGREEK SEED is unchanged at 8s. 9d. to 9s. 6d. per cwt., according to quality.

GINGER.—Cochin has been selling more freely of late, and prices for washed rough are reasonable and remain at about pre-war level. New crop is quoted at 45s. and washed rough wormy at 30s. Calicut is being held for higher prices generally, owing to the scarcity and high rates asked for Jamaica. Sierra Leone is 28s. spot and 26s. in Liverpool. Japanese is 37s. 6d. to 40s. per cwt. spot.

HEMP SEED is scarce on the spot and is held for 25s. per cwt.

KOLA.—At the spice-auction 10 bags dried Grenada sold at from 2¾d. to 3½d. per lb.

LINSEED is firmer at 19s. per cwt. for good English.

MACE.—At auction 239 packages West Indian sold, mostly country damaged, at a decline of 1d. to 2d. per lb.

NUTMEGS are quiet. Singapore 110's offering at 8d., 80's at 1s. 1d., cases 1s. 0½d., and 65's at 1s. 4½d. per lb. West Indian have been in fair demand, principally for the larger sizes. At auction 719 packages West Indian offered mostly of poor quality, and practically all sold at steady prices for sound large, and for defective and inferior lower rates were accepted.

PEPPER.—*Black* Singapore is steady, with spot sales at 3¾d. to 4d. per lb.; June-August and July-September shipments have been sold at 4d. to 4 1/16d. to 3 13/16d. per lb. c.i.f. Lampong is 4½d., Tellicherry 4½d., and Aleppy 4¼d. *White* Muntok is steady at 8¾d. and Singapore is 8½d., both spot. Muntok for June-August and July-September shipment has been sold at 8⅜d. c.i.f.

PIMENTO is quiet and quotably unchanged, with spot sellers at 2⅝d. per lb.

Essential Oils.

STAR ANISE OIL is slightly firmer this week, but a few articles show a further slight decline in values. Bay oil is easier and bergamot has weakened again. Cassia is cheaper and the demand for clove oil is slow. Spanish rosemary and spike oils are easier.

ANISE (STAR).—"Red Ship" on the spot is a shade firmer, with sales at 1s. 11d., and 2s. now quoted. To come forward the price is 2s. 1½d. c.i.f.

BAY.—West Indian is easier at from 14s. to 16s. per lb., according to quality. For a special article up to 19s. 6d. is quoted.

BERGAMOT is cheaper on the spot and 21s. 6d. to 23s. per lb. for 37 to 39 l.a. is about the general quotation. To come forward quotations are lower at about 20s. to 22s. c.i.f. Since the price weakened more inquiry is reported.

CAMPHOR.—Japanese essential, white, is unchanged at 125s. per cwt. in large drums and 135s. in cases on the spot. The price to come forward from the Continent is quoted at 120s. per cwt. c.i.f. in large drums, but a bid at less would probably be accepted. Chinese, white, has been sold at 125s. on the spot in 80-lb. drums.

CASSIA is a shade weaker at 3s. 10d. to 4s. per lb. for spot 80 to 85 c.a. To come forward the price is unchanged at 3s. 4d. c.i.f.

CITRONELLA.—Ceylon on the spot is quiet at 1s. 3d. to 1s. 4d. per lb., and to come forward the price is about 1s. 2d. to 1s. 2½d. c.i.f. Java is not offered at much under 2s. 9d. spot, but cheaper offers are being made from the Continent.

CLOVE is slow of sale and English distillers quote from 5s. to 5s. 6d. per lb., which is slightly easier.

GERANIUM is unchanged at from 17s. to 18s. per lb. on the spot for Bourbon. To come forward 16s. c.i.f. could be done. Algerian is offered at 25s. to 26s. 6d. per lb. for spot.

Lemon is quiet on the spot, with quotations ranging from 3*s.* to 3*s.* 3*d.* per lb., but, for a line, less would be accepted in some directions. To come forward quotations are still irregular.

Lemongrass.—Cochin is nomiual on the spot at 4*d.* per oz.

Mint.—Japanese dementholised Kobayashi-Suzuki is slow of sale at 4*s.* 3*d.* per lb.

Orange.—Sicilian on the spot is scarce at about 12*s.* per lb. To come forward the quotations range from 10*s.* 6*d.* to 12*s.* c.i.f. West Indian, sweet, on the spot can be obtained, in limited supply, at 12*s.*, but some shippers are quoting 13*s.* c.i.f. to come forward.

Peppermint.—American natural tin oil is scarce on the spot, and the price quoted for goods landing is 13*s.* 6*d.* per lb. To come forward business has been done at 11*s.* 9*d.* c.i.f., and further quotations are made at this figure for 5-case lots.

Rosemary.—Spanish is cheaper on the spot at from 2*s.* to 2*s.* 3*d.* per lb.

Sandalwood.—The consignees for the Mysore Government B.P. oil have recently announced the withdrawal of the ninety days' protection clause in contracts against a fall in the official price. The spot quotation is unchanged at 37*s.* 6*d.* per lb. for 5-case lots. West Indian (ol. amyris) is unchanged at 18*s.* per lb.

Spike.—Spanish is dull and easier on the spot at from 4*s.* to 4*s.* 3*d.* per lb., according to quality.

Pharmaceutical Chemicals.

There is very little change to record this week. The prospects for an improvement are still gloomy, and holders are more than ever inclined to entertain business at any reasonable figure. There is a feeling of uncertainty in the market on account of the "Safeguarding of Key Industries" legislation, which has passed the second reading of the House of Commons, and the trend of the market during the next few weeks will naturally depend on the outcome of the Government's effort to restrict future imports. Should the Bill become an Act there is no doubt that prices will immediately advance all round. Among the cheaper products are betanaphthol, calcium lactate, creosote B.P., methyl salicylate, paraformaldehyde, and thymol. Salol, salicylic acid, hexamine, and barbitone are steadier.

Acetanilide seems to be very unsteady, with quotations varying from 1*s.* 6*d.* to 1*s.* 9*d.* per lb; weak holders have sold at less.

Aloin is steadily quoted at 5*s.* per lb.; the demand is not good.

Amidopyrin continues quiet; quotations are now averaging about 21*s.* 6*d.* per lb.

Aspirin continues in fairly good demand, with ample stocks offering at 3*s.* 3*d.* to 3*s.* 6*d.* per lb. for best quality.

Atropine Sulphate has steadied after the recent decline, and is now quoted at 23*s.* per oz.

Barbitone is also steadier this week at 15*s.* per lb.; demand continues very limited.

Benzoic Acid is quite steady, but rather quiet at 2*s.* 6*d.* per lb.

Benzonaphthol continues to be quoted unchanged at 9*s.* per lb., with limited demand only.

Betanaphthol.—Resublimed of good white quality has eased off a little during the week, and some parcels are now offering as low as 3*s.* 9*d.* to 4*s.* per lb.

Bromides continue in good supply, with but poor demand; values at the following figures may be taken as easy, and business could no doubt be done at slightly lower figures: Potassium, crystals and granular, 10*d.* per lb. ammonium, about 1*s.* 2*d.*; sodium, about 1*s.* 1*d.*

Caffeine has eased considerably during the week and is now offering on a dull market at 19*s.* 6*d.* to 20*s.* per lb.

Calcium Lactate is weaker, and some parcels are offering at the low figure of 2*s.* per lb., but it is generally being quoted at about 2*s.* 3*d.*

Chloral Hydrate has a firmer tendency in one direction at 3*s.* 3*d.* per lb. in bond.

Citric Acid is showing up a little easier this week, with quotations, which are varying, averaging 2*s.* 4¾*d.* to 2*s.* 5*d.* per lb., less 5 per cent.

Cream of Tartar.—A fair demand is still being experienced for the limited stocks available, and the B.P. material is quoted at from about 135*s.* to 140*s.* per cwt.

Creosote, B.P., is slightly easier this week at about 4*s.* 9*d.* per lb.; the market continues quiet.

Creosote Carbonate is unchanged at last week's reduced figure of 15*s.* per lb.; market is still dull.

Hexamine is now much steadier and generally quoted at 5*s.* 3*d.* per lb.; the demand is very limited.

Hydroquinone continues on the quiet side, with values unchanged at 5*s.* 3*d.* to 5*s.* 6*d.* per lb.

Methyl Salicylate continues quiet, with values slightly easier at 2*s.* 4*d.* to 2*s.* 6*d.* per lb., according to quantity.

Methyl Sulphonal has steadied and is now generally offered at 21*s.* per lb.

Morphine Salts.—Last week's reduced makers' prices continue to be quoted; 11*s.* 6*d.* per oz. will buy hydrochloride.

Paraformaldehyde is a little easier this week, with a few parcels offering at 3*s.* 9*d.* per lb.

Paraldehyde is steady and well maintained at 2*s.* 2*d.* to 2*s.* 3*d.* per lb.; the demand is not good.

Phenacetin continues dull, with values maintained at 7*s.* 3*d.* to 7*s.* 6*d.* per lb.

Phenazone has a steady demand, with values about the same at 8*s.* to 8*s.* 3*d.* per lb., according to quantity.

Phenolphthalein is quiet but steady, with values unchanged at 5*s.* per lb.

Potassium Permanganate, B.P., is still freely offering, and limited business is being done at 1*s.* 8*d.* to 1*s.* 10*d.* per lb.

Potassium Sulphoguaiacolate is now steady on a quiet market at 8*s.* 6*d.* to 9*s.* per lb.

Pyrogallic Acid.—Crystals are a little easier at 7*s.* 6*d.* to 7*s.* 9*d.* per lb.

Quinine is firm and scarce in second hands; sulphate is nominal at 3*s.* 8*d.* to 3*s.* 9*d.* per oz.; hydrochloride is 3*s.* 10*d.* to 3*s.* 11*d.* per oz.

Salicylates.—*Salicylic acid*, B.P., is showing up at the advanced figure of 1*s.* 5*d.* to 1*s.* 6*d.* per lb.; *Sodium salicylate* continues to be quoted unchanged at 2*s.* 6*d.* to 2*s.* 8*d.*; the demand for these products is still very poor.

Salol is a little steadier this week at 3*s.* 3*d.* to 3*s.* 6*d.* per lb.

Santonin.—We are informed that a representative of the original owners of the santonin factory in Turkestan has just reached this country, and that the Eastern and Russian Trading Co., Ltd., may now expect a further quantity of original santonin within a few weeks.

Sodium Benzoate continues very firm at 2*s.* 6*d.* per lb. market still quiet.

Sodium Diethylbarbiturate, B.P., continues quiet with values about the same at 24*s.* 6*d.* per lb.

Tannic Acid.—*Leviss.* is a little steadier this week at 4*s.* 6*d.* per lb.

Tartaric Acid is easier at from 1*s.* 5½*d.* per lb. for Italian on the spot.

Terpin Hydrate is fairly steady, but quiet, at 3*s.* 6*d.* per lb. in small lots.

Terpineol shows rather more inquiry at from 1*s.* 9*d.* to 1*s.* 11*d.*

Thymol is now offering on a stagnant market as low as 23*s.* per lb.

Vanillin is offered at the easier rate of 29*s.* per lb.

Heavy Chemicals.

June 8.

Unsatisfactory reports continue to come to hand. With the continuance of the deplorable miners' dispute, business, if anything, becomes a little more stagnant each week; although supplies in the majority of products are very limited there is practically no demand, and the market continues to have a weak tone. There has been experienced a little better inquiry for export business but actual business is still very small. To-day it seems that hopes are again renewed that the coal trouble will soon be settled, and should normal conditions prevail in

he near future there is confidence that trade will take on better outlook all round.

Acetic Acid is still freely offered but is not being taken up. Quotations are maintained, but are weak at 45*l.* for 80 per cent. technical and 55*l.* per ton for 98 per cent. glacial.

Alum continues to drag with offers unchanged at about 7*l.* per ton f.o.b.; foreign material is offering at about *l.* to 3*l.* per ton cheaper.

Ammonium Chloride.—Makers have reduced prices, quoting galvanisers' quality at 45*l.* per ton; granular is 0*l.* and small crystals 60*l.*, dog's tooth 65*l.* per ton.

Ammonium Sulphate.—The control of exportation eased on May 31. Licences for export are still necessary, and all applications should be forwarded to the Board of Trade, Licensing Section, Great George Street, S.W. 1. It will, however, be no longer necessary to obtain the "backing" of the Sulphate of Ammonia Equalisation Committee (British Federation of Sulphate of Ammonia Manufacturers, Ltd.). The control of home trade prices is also abolished. Last week's figures are maintained—June delivery, 18*l.*, less 3 per cent. for home trade; export, 16*l.* to 20*l.* per ton.

Arsenic is dull, the market being on the basis of 45*l.* per ton for white Cornish, so far as actual business is concerned. Some sellers are, however, asking more.

Bleaching Powder continues very quiet, and values have eased off to about 18*l.* per ton for 35 to 37 per cent. material in hardwood casks.

Copper Sulphate continues in but poor demand; about 31*l.* in casks and 30*l.* in bags.

Epsom Salt has fallen off in demand during the past few weeks, and parcels are now freely offering at 8*l.* 10*s.* per ton for commercial quality in single bags; pharmaceutical quality is only moving occasionally at about 10*l.* per ton.

Formaldehyde is still lifeless, with values nominal at about 95*l.* to 100*l.* per ton.

Lead Acetate is still neglected and values are nominal at 50*l.* per ton for brown broken and 56*l.* for white crystals.

Lead-products.—There is a little more demand at the reduced quotations enforced for lead-oxides and white-lead at the close of last week, while pig-lead has again ended upward strongly. The reduction in red-lead and litharge was 1*l.* per ton, prices ranging from 37*l.* to 40*l.* per ton, according to quantity, for home and export. Genuine English orange lead, "A" quality, stands at 47*l.* 10*s.* to 50*l.*, and "AA" quality 49*l.* to 52*l.* for 2-ton lots and over, with 5*s.* extra for quantities under 2 tons, less 2½ per cent., delivered to consumers. White-lead was lowered 10*s.* to 15*s.* per ton, ground white for the home trade being quoted from 51*l.* 15*s.* for 10-ton lots and over, up to 58*l.* 5*s.* for less than 10 cwt., according to weight. Ready-mixed white-lead paint varies from 59*l.* 15*s.* for 5-ton lots and over, up to 67*l.* per ton for 5 cwt., according to weight.

Lime Acetate (80 per cent. grey, American) is nominal at 15*l.* per ton; no record of business.

Lithopone is moving in limited quantities, with values steady at about 30*l.* for Continental red seal and 32*l.* 10*s.* to 33*l.* for light resisting, casks free.

Oxalic Acid continues unsteady and quiet, with occasional parcels changing hands as low as 9*d.* per lb.

Potash Caustic is not so firm as last week; there is very little demand for the limited stocks available; quotations average about 42*l.* to 44*l.* per ton for 88 to 92 per cent. material; makers are quoting 36*l.* per ton.

Potassium Bichromate continues to be quoted by makers at 10½*d.* per lb.; spot lots are offering, but are being neglected, at 9½*d.* to 10*d.* per lb.

Potassium Carbonate is still quoted by makers at 45*l.* per ton; a few spot parcels are steady at about 47*l.* per ton; the demand is not good.

Potassium Chlorate is now quoted by makers at the reduced figure of 5*d.* per lb.; spot parcels are also round about this figure.

Potassium Permanganate.—Commercial quality continues to be quoted by makers at 1*s.* 9*d.* per lb.; imported material freely offering by dealers at 1*s.* 7*d.*; a little business is being done.

Potassium Prussiate.—Red and yellow continue quite neglected; makers quote 2*s.* 3*d.* and 1*s.* 3*d.* respectively; spot prices are also at these figures.

Potassium Sulphate is still offered by makers at 20*l.* per ton for 90 per cent. material, ex ship; spot parcels are a little above this figure; only limited supplies available.

Saltcake is a dead market; there is absolutely no demand, and values are nominal.

Soda Ash (58 per cent. light alkali) is in but very poor demand, and the market is perhaps a little easier than last week at 9*l.* per ton f.o.b.; makers' prices for home trade only are unchanged at 8*l.* 10*s.* per ton in bags.

Soda Crystals continue to be quoted by makers at 7*l.* per ton in bags, carriage paid; dealers are offering a few parcels, ex store, at this figure also.

Sodium Caustic.—Makers' prices are 26*l.* 15*s.* per ton for 76 to 77 per cent. in light drums, f.o.r., and 24*l.* 10*s.* for 70 to 72 per cent. material for home trade only; spot parcels offering at about 23*l.* per ton in drums, f.o.b., for 70 to 72 per cent., and 26*l.* for 76 to 77 per cent. in drums f.o.b.; American 76 per cent. quoted at competitive figures c.i.f. Continental ports and United Kingdom; business is being done only very occasionally on limited lines; values are unchanged.

Sodium Chlorate is quoted unchanged by makers at 4¼*d.*; dealers' spot parcels are offering at about the same figure, but there is very little demand.

Sodium Cyanide is freely offered by makers and dealers at about 1*s.* per lb. for 100 per cent. basis f.o.b.; the market is very quiet.

Sodium Hyposulphite.—Photographic quality, pea crystals, is in fair demand; 1-cwt. casks are about 26*l.* per ton; commercial quality is not being inquired for; market continues quiet with values weak at about 20*l.* per ton; makers' prices for photographic is now reduced to 24*l.*; for commercial 17*l.* per ton.

Sodium Nitrate is again a little lower this week, and makers are now offering at 19*l.* per ton for 96 per cent. refined material, f.o.r. Liverpool; the market continues quietly.

Sodium Nitrite continues rather quiet with makers' values unchanged at 42*l.* per ton for 100 per cent. material; spot lots are also offering at about this figure.

Sodium Prussiate is still quoted by makers at the recently reduced figure of 7*d.* per lb.; dealers are also offering at his figure, but inquiry is very limited.

Sodium Sulphide is now quoted by makers at 28*l.* 10*s.* per ton for 60 to 65 per cent. concentrated in casks—this shows an advance; spot lots and 60 to 62 per cent. solid in drums are offering but in poor demand at about 25*l.* per ton f.o.b.

Sodium Sulphite.—Anhydrous, continues neglected with values nominal at 28*l.* per ton; crystals are quoted by makers unchanged at 12*l.* 10*s.* per ton for home trade only.

Tin Crystals continue very quietly with values a little easier at 1*s.* 5*d.* per lb.

Zinc Ashes is still offering but not in demand with values almost nominal at 6*l.* per ton f.o.b., basis 70 per cent.

Zinc Products.—Zinc dust continues to be neglected and values may be taken the same as last week; English 92 to 94 per cent., 27*l.* 10*s.* per ton; Silesian, firsts, 80 to 90 per cent., 45*l.* per ton; zinc oxides are only moving in very small lots; values, however, are maintained and are not likely to fall; white seal, 47*l.* 10*s.*; green seal, 45*l.*; red seal, 40*l.*; blue seal, 32*l.* per ton. There is reason to doubt whether zinc oxides will be included in the "Key Industries" section of the Anti-dumping Bill.

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, E.C. 3, June 9.

Before the commencement of the auction Mr. Wright (S. Figgis & Co.), in making sympathetic reference to the death of Mr. J. M. Vanhouse, partner in Hale & Son (*C. & D.*, May 21, p. 45), moved that a letter of sympathy from the drug-trade be sent to the relatives. The motion was passed in silence.

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The auction consisted of practically all new goods only, and, in spite of the fact that the previous sale was twenty weeks ago (January 20), only moderate supplies were offered by twelve brokers. The demand in the interval has not improved, and a very small proportion of the goods changed hands, without any sensational changes in value being recorded. Buyers were most reluctant to make bids, and even goods offered without reserve were difficult to quit. The first broker to offer his goods remarked that there was no encouragement to hold the public auctions, the preparations for which involved considerable expense, and, we may add, two days' waste of time. Cape aloes failed to sell, and sales of Sumatra benzoin were quite retail. New buchu met with a small demand from druggists, full prices being paid for single bales of fine, green, round. Cardamoms sold cheaply, and calumba continues neglected. Dragon's-blood failed to sell, and there was no demand for gamboge. Honey, where sold, was much cheaper. Ipecacuanha was also cheaper, except for Johore, which was 1*s.* higher than last January. No kola sold, and for Aden character myrrh lower prices were accepted. Rhubarb was rather easier for Shensi. Grey Jamaica sarsaparilla was about 10*d.* lower on last public sale, and Lima was also cheaper, but native Jamaica was a shade firmer. Tinnevelly senna, mostly of ordinary quality, was considerably cheaper, say 1*d.* to 2*d.* per lb. No beeswax was sold. The following table shows the quantity of goods offered and sold :

		Offered	Sold
Acroides, gum		18	0
Ajowan seed		19	0
Almonds		2	0
Aloes—			
Cape	(cs.)	82	1
Curacao		22	0
Ambergris	(oz.)	70	27
Ammoniacum		10	0
Anise (Span.)		29	0
Anise, star	(cs.)	20	0
Annatto-seed		29	0
Araroba	(cs.)	6	0
Areca		20	0
Argol		34	0
Arnica flow.		20	0
Asafetida		30	5*
Balsam tolu		23	0
Benzoin—			
Palembang		21	0
Siam		1	0
Sumatra		220	6
Buchu-leaves		42	2
Calumba		1185	0
Cannab. ind.		9	0
Cant arides	(ch.)	5	0
Cardamoms		665	63
Cashew nuts		25	0
Cassia fistula		84	15
Chaulmoogra oil		5	0
Chiretta		84	0
Cinchona		282	0
Citronella oil			
	(Jv. dms.)	6	0
,, ,, (Burmese	crates)	31	0
Coca-leaves		20	0
Cocculus indicus		10	0
Copaiba		5	0
,, oil		1	0
Croton-seed		58	19
Cubebs		52	0
Cuttlefish-bone		40	0
Digitalis-leaves		106	0
Dill-seed		20	0
Dragon's-blood		54	0
Elemi	(cs.)	47	0
Ergot		17	0
Eucalyptus oil		60	0
Euphorbia pil.		21	0
Galangal		10	0
Galls		134	0
Gamboge		13	1*
Gentian		11	0
Gingergrass oil	(pots)	2	0
Guaiacum		28	0
Guarana		3	0
Gum acacia		20	0
,, karaya		101	101
Gurjun oil	(drms.)	50	0
Henbane (Egy.)		76	0
Henna		83	0
Honey—			
Australian		63	26*
Chilian		138	0
Cuban		2	0
Jamaica		443	24
Honey—			
New Zealand		73	0
St. Lucia		107	0
San Domingo		104	0
Trinidad		60	0
Ipecacuanha—			
Cartagena		4	0
East Indian		27	5
Matto Grosso		27	2
Minas		12	0
Kamala		10	0
Kola		117	3*
Kousso-flowers		1	0
Lavender-flowers		10	0
Lemon oil		4	0
,, peel		20	0
Lime juice	(puns.)	6	0
,, oil	(cs.)	2	0
Liquorice root		237	0
Lycopodium	(cs.)	1	0
Mastich		12	2*
Musk-seed		2	0
Myrrh		320	8
Nux vomica		50	0
Olibanum		129	0
Olive oil		1	0
Orange-peel		172	6
Papain		2	0
Petroleum jelly		25	0
Pistachio nuts		5	0
Quince seed		4	0
Rhapontica		17	0
Rhubarb (Ch.)		90	4
Saccharin	(cs.)	31	0
Sage		219	0
Sandalwood oil	(cs.)	1	0
Sandarac		15	0
Sarsaparilla—			
Grey Jamaica		34	8
Guayaquil		1	1
Honduras		12	0
Jamaica "cut"		20	0
Lima		8	4
Native Jam.		58	3
Scammony res.	(tins)	4	0
Seedlac		20	0
Senega		3	0
Senna and pods—			
Alex.		38	14
Tinnevelly		365	28
Strophanthus		31	0
Tonka beans		9	0
Tragacanth		77	2
Turmeric		570	0
Valerian		1	0
Wax (bees') —			
Abyssinian		33	0
Beladi		17	0
Chilian		16	0
East African (various)		47	0
East Indian		131	36*
Jamaica		15	0
Mozambique		83	0
Zanzibar		167	20

* Sold privately.

The Next Drug-auction.—Mr. Andrew Devitt (Lewis & Peat, Ltd.), at the close of his sale, suggested that, in view of their experience at to-day's auction, the next public drug-sale be held in September, and, as there was no opinion expressed to the contrary, it was approved without comment.

Aloes.—A single case of ordinary dull Cape realised 40*s.* per cwt. Good hard bright firsts were obtainable at 50*s.*, but there were no takers. A parcel of 22 boxes Curaçao offered, consisting of fair to dull liver, part cakey, for which 85*s.* to 80*s.* per cwt. was wanted.

The exports from the Union of South Africa during January 1921 were *nil*, against 72,569 lb. (1,215*l.*) in 1920.

Ammoniacum.—Ten packages offered, the best quality of which, good pale drop and block, was limited at 3*s.* 6*d.* per lb.

Araroba.—A lot of 32 cases very dark (testing 39.9 per cent. chrysarobin) were retired at 2*s.* per lb.

Areca.—Twenty bags of small to bold slightly wormy Ceylon were held at 30*s.* per cwt.

Benzoin was cheaper. A single case of good Sumatra seconds, well packed with small almonds, sold at 10*l.* per cwt., and five cases of fair Sumatra seconds realised 8*l.* 5*s.* per cwt. Good fair seconds were held at 11*l.* 5*s.* to 11*l.* 10*s.*, middling seconds 9*l.*, thirds at 7*l.* 10*s.* to 8*l.* 10*s.*, and fourths 5*l.* per cwt. A single case of small dusty yellow Siam almonds was retired at 30*l.* per cwt.

Buchu.—Retail sales of new crop were made, comprising a single bale of good, clean, green, round at 8*s.* per lb. subject. A bid of 5*s.* is to be submitted for part stalky ovals; a bale of round green had been sold privately.

There were no exports from the Union of South Africa during January 1921, neither in January 1920.

Cannabis Indica.—Two cases of fair Bombay tops were retired at 33*s.* per lb., and for seven bags of American 10*s.* per lb. was the buying-in price.

Cardamoms were slow of sale at lower prices, including the following: Ceylon-Mysore, extra bold good pale bleached, 4*s.* 10*d.*; good bold pale long, 3*s.* 4*d.* to 3*s.* 6*d.*; bold pale badly clipped, 2*s.* 6*d.*; medium pale, 1*s.* 2*d.* to 1*s.* 4*d.*; extra bold splits, 1*s.* 9*d.* to 2*s.* 1*d.*; small splits and pickings, 1*s.*; good dark *seed*, 1*s.* 10*d.*; and common split seed, 1*s.* per lb.

Cashew Nuts.—Sixteen cases sold at 30*s.* per cwt., subject to sellers' approval.

Cassia Fistula.—Fifteen bags of fair bold Dominican pod sold at from 50*s.* to 51*s.* per cwt.

Cocculus Indicus.—The price asked for fair quality is 30*s.* per cwt.

Croton Seed.—A lot of 17 bags from Ceylon sold without reserve at 32*s.* per cwt., and two bags rather dark at 25*s.*

Elemi.—Good pale Manila firsts was limited at 80*s.* per cwt., at which sales have been made privately. Specky seconds were limited at 70*s.*, and yellowish thirds at 55*s.* per cwt.

Guarana of fair quality is obtainable at 3*s.* 6*d.* per lb.

Gum Acacia.—A lot of 20 bags fair clean Ghatti were held at 45*s.* per cwt.

Gum Karaya.—A parcel of 101 bags sold without reserve for account of whom it may concern at from 14*s.* to 15*s.* per cwt.

Gurjun Oil.—The limit for 10 drums of fair Singapore was 2*s.* 3*d.* per lb.

Honey.—A few sales were made at much lower prices; they included a single cask of creamy Jamaica set at 61*s.*, six barrels pale set ditto at 57*s.*, four barrels liquid amber setting at 30*s.*, and 14 barrels amber set at 27*s.* 6*d.* to 30*s.* A single cask of pale St. Lucia sold at 50*s.*, and 15 casks pale to brownish set were bought in at 40*s.* 60 cases Trinidad set were retired at 35*s.*, and 138 kegs liquid amber to pale set Chilian at 27*s.* 6*d.* to 37*s.* 6*d.* 63 cases ordinary Australian offered, of which 23 had been sold privately, and 73 cases New Zealand brown setting to yellowish set offered at 25*s.* to 50*s.* per cwt.

Ipecacuanha was in quite retail demand; a single bale of fair bright Matto Grosso, very slightly water-damaged,

sold cheaply at 7*s*. 10*d*. per lb., and for a bale of sea-damaged 6*s*. 6*d*. was paid. Good bright sound Matto Grosso was held at 9*s*. per lb. A new lot of twenty-seven bales East Indian (Johore) offered, of which five bales sold, comprising fair annulated sound at 7*s*. per lb., water-damaged at 6*s*. 1*d*., and siftings at 6*s*. Privately 6*s*. 9*d*. had been accepted in the auction interval from first hands, but the price was subsequently raised to 7*s*. The price of sound Johore shows an advance of 1*s*. since the January auctions.

KAMALA of fair quality was obtainable at 3*s*. 9*d*. per lb.

MASTICH.—Fair tear was obtainable at 4*s*. per lb.; small sales had been made privately.

MYRRH was much lower. Eight cases of small to bold partly good resiny, Aden character, very blocky sorts, sold at 11*l*. 10*s*. per cwt., subject to seller's approval; a bid of 9*l*. 10*s*. is to be submitted for two cases small glassy sorts; 72 bags inferior Somali sorts were offered without reserve, but no bids were made.

ORANGE PEEL was in large supply. Three cases of fair bright so-called Maltese strip sold cheaply at 6*d*. per lb.

QUINCE SEED.—Four bags fair Cape were limited at 4*s*., a bid of 3*s*. 9*d*. being refused.

RHUBARB.—Only four cases sold under the hammer, comprising a case of medium to bold flat Shensi, with three-quarters good pinky fracture, at 5*s*. 6*d*., and a case of medium flat, with three-quarters good pinky fracture, realised 4*s*. 9*d*. per lb., subject to seller's approval. Medium to bold fine flat Shensi, with seven-eighths good pinky fracture, was held at 7*s*.; medium to bold round Canton, with three-quarters fair pinky fracture, was limited at 6*s*. 6*d*. Two cases of round and flat High-dried sold at 3*s*. per lb. for half grey and half dark.

SAGE LEAVES.—The bought-in lots comprised 185 bales from Trieste, for which the price was 20*s*. per cwt.

SARSAPARILLA.—For the eight bales of grey Jamaica disposed of, prices declined about 10*d*. per lb., compared with the previous public sale, from 1*s*. 8*d*. to 1*s*. 11*d*. per lb. being accepted for part wormy to fair grey, part rough and mouldy. A considerable quantity of native Jamaica offered, of which three bales sold at 1*s*. 7*d*. per lb. for fair red. Of Lima-Jamaica eight bales offered, and four sold at 1*s*. 7*d*. for ordinary, and a single bale of Guayaquil realised 1*s*. 7*d*. per lb.; for Honduras 2*s*. 6*d*. was wanted.

SENNA was from 1*d*. to 2*d*. per lb. cheaper for Tinnevelly. Eleven bales of fair to medium greenish very stalky Tinnevelly leaf sold at 3*d*. to 3½*d*. per lb., as against about 5*d*. on the last occasion. Dark *Pods* realised 3*d*. Of Alexandrian, six bales sea-damaged sold without reserve for account of whom it may concern at 3½*d*., and for 11 bales of sea-damaged siftings of good colour 5½*d*. per lb. was paid without reserve on underwriters' account; the value of sound is 10*d*. per lb.

WAX, BEES'.—No public business was done; the bought-in lots included nine packages Jamaica, for which 8*l*. 15*s*. to 9*l*. was wanted for fair brown to good bright red; 20 bags of fair Zanzibar block sold at 72*s*. 6*d*.; 36 cases bleached Calcutta had been sold privately, and for 20 cases fair ditto 7*l*. 10*s*. was wanted.

Hamburg Drug and Chemical Markets.

THE market report of a leading Hamburg wholesale drug house, dated June 1, prefaces its quotations with the following remarks: "On May 10 we capitulated to our enemies. The consequences, both economic and political, of this step are as yet impossible to foresee. Up to now it was not a German trait to promise what could not be accomplished. However, in politics, might only decides, and its weapon is power. Therefore Sisyphus must begin anew to roll his stone up the mountain. In future our motto will be: Work, economy, and pay tribute; and even the greatest optimists will have to recognise this fact, since generally one only begins to appreciate the gravity of the situation when one's own house is on fire. Germany's total burdens exceed the limits of its capacity and possibility, since even Germany's undiminished peace prosperity during the pre-war period would have failed to meet the total reparations which the now death-stricken German industry is presumed to be able to accomplish. The English and French politicians who are now sitting in the seats of power ignore the fundamental laws of Nature, and instead of promoting the ability to make good, are merely destroying this capacity and creating lassitude. No business can yield results unless capital is invested in it, the same as no soil will yield a good crop unless it is suitably manured. Instead, the German workshop, which was the workshop of the world, has now been deprived of its tools, and is to be further curtailed. We are to produce without having coal, we are to trade although we possess no ships, and we are to do this with our hands tied. The consequence will be a renewal of the old game of the difference between demand and compliance. The acceptance of the ultimatum will scarcely bring in its train that absence of unrest which is the necessary premise for reconstruction, and a greater degree of solvency to enable us to comply with our enemies' demands. At the present moment every branch of business, and particularly our own, is suffering from a feeling of uncertainty regarding the future of both general and business conditions to a hitherto unprecedented degree, and the absence of all spirit of enterprise is apparent in the small amounts in request, in spite of increased number of orders." The following quotations are in marks per kilo.:

ACETIC ACID.—Glacial 98 to 100 per cent. is unchanged at m.15, and m.12.50 for export; 80 per cent. is now in greater demand at m.13, and for export at the low rate of m.11.50, inclusive of carboys.

AMMONIUM CHLORIDE.—Sales of first quality white (98/100 per cent.) have increased at m.5.50, and for export m.6.50. A somewhat reddish salt is obtainable at m.4.50.

BALSAM PERU is being dealt with only in broken bulk at m.275. A quality answering the requirements of the Ph. G.V. is offered at m.200. Artificial is only occasionally in demand, and the price has declined to m.110.

BALSAM TOLU is obtainable from stock holders in original cases at m.46.

BENZALDEHYDE, free from chlorine, for foodstuffs, was in good demand at m.40, and m.45 for export.

BENZOIC ACID AND SODIUM BENZOATE.—The number of small orders has increased without affecting the price of m.35 for both.

BUCKTHORN BARK.—The lower quotations of m.9 for whole bark and m.12 for cut bark have resulted in a larger volume of orders, without leading to purchases of larger quantities.

DILL SEED has been in demand at m.3.

MENTHOL.—Original cases are m.600, for orders of single tins m.650, and broken bulk m.700. In view of the brisk demand and reduced stocks, the tendency is firm.

VANILLIN.—Sales were satisfactory at m.875, and for export m.865.

Roumanian Drug and Chemical Market.

May 31, 1921

THE value of the English pound has been reduced lately from 300 lei to 220 lei. The following prices were current in the Roumanian market at the above date:

		Per kilo.
Acetanilide	... ...	80 lei
Acid. acetic. (glacial)	...	65 ,,
,, aceto-salicylic.	...	100 ,,
,, arsenic.	... ...	120 ,,
,, benzoic.	... ...	80 ,,
,, boric. cryst.	...	32 ,,
,, ,, pulv.	...	32 ,,
,, carbolic. cryst.	...	40 ,,
,, citric. cryst.	...	150 ,,
,, gallic.	... ...	300 ,,
,, salicylic.	... ...	100 ,,
,, stearic.	... ...	38 ,,
,, tannic.	... ...	180 ,,
Adeps lanæ (anhydrous)		80 ,,
		Per 30 c.c.
Adrenalin solution		bottle 30 lei
		Per kilo.
Aloes	... ...	38 lei
Ammonia fort.	... ...	24 ,,
Anethol	... ...	500 ,,
Bismuth subgallate	...	400 ,,
,, subnitrate	...	450 ,,
Calcium carb. levis	...	16 ,,
,, lactate	...	125 ,,
Camphor monobrom.	...	600 ,,
,, flowers	...	300 ,,
Carmine	... ...	900 ,,
Chloral hydrate	...	130 ,,
Chloroform	... ...	98 ,,
Cream of tartar	...	75 ,,
Creosotum	... ...	700 ,,
Dextrin.	... ...	30 ,,
Ext. filicis mas	...	900 ,,
Ferri carb. sacch.	...	120 ,,
Folia cocæ	... ...	100 ,,
Gum tragacanth	...	300 ,,
Hexamine	... ...	200 ,,
Iodine	... ...	600 ,,
Lycopodium	... ...	200 ,,

		Per 100 gr.
Lysol	... ...	bottle 6.50 lei
		Per kilo
Methyl salicyl.	...	160 lei
Ol. anisi stellatum	...	900 ,,
,, aurantii	... ...	1.600 ,,
,, bergamot	... ...	900 ,,
,, carui	... ...	500 ,,
,, eucalyptus	... ...	750 ,,
,, geranium	... ...	2,000 ,,
,, lavandulæ	... ...	1,500 ,,
,, menthæ pip (German)		750 ,,
,, pini silvestri	...	750 ,,
,, rosmarini	... ...	450 ,,
,, santali	... ...	1,200 ,,
,, sinapis	... ...	1,000 ,,
Paraffinum liq.	...	40 ,,
Pepsin. porcis, pure	...	400 ,,
Phenolphthalein	...	310 ,,
Plumbi oxid. rub.	...	35 ,,
Podophyllin	... ...	2,000 ,,
Potass. bicarb.	... ...	75 ,,
,, bichrom.	...	85 ,,
,, bromide	...	45 ,,
,, chlorate	...	30 ,,
,, permang.	...	125 ,,
Radix glycyrrhizæ	...	150 ,,
,, ipecac. pulvis	...	600 ,,
,, rhei Chinoise.	...	350 ,,
,, ,, Austrian	...	150 ,,
,, sarsæ	... ...	170 ,,
,, senegæ	... ...	350 ,,
,, valerianæ	...	50 ,,
,, zingiberis	...	60 ,,
Resorcin	... ...	440 ,,
Sodium citrate	...	400 ,,
,, iodide	...	525 ,,
,, salicylate	...	100 ,,

Index Folio 809

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

"That Free Stall."

SIR,—In reference to the quotation from the "Script" published in the *C. & D.*, June 4, and to which you thought fit to add the heading, "That Free Stall," we would ask you in fairness to publish a plain statement of the facts. They are :—(1) We received from the Pharmaceutical Society a request for our space rates. (2) Understanding that this application had reference to the Benevolent Fund, we immediately offered the space free of charge, although at the time we had, and still have, between forty and fifty would-be exhibitors, for whom accommodation could not and cannot be found. (3) No conditions were attached to the gift, all our exhibitors are perfectly free to employ any contractor they please to do the stand fitting, or alternatively to do the fitting themselves; and in either case to do it as simply or ornately as they wish. (4) We have absolutely no interest whatever in any arrangements made between the space-holder and stand-fitter. It is entirely for the former to decide what, if any, embellishment is given to the space.

Yours faithfully,
THE PROMOTERS OF THE
CHEMISTS' EXHIBITION
(R. S. Ely, *Secretary*).

SIR,—I should like, if I may, to correct a somewhat unfortunate impression which has got abroad as to the cost of the stall at the Chemists' Exhibition which is allotted to the Benevolent Fund of the Pharmaceutical Society. There was no condition whatever made by the promoters of the exhibition in generously offering us a space, neither did they suggest the employment of any special stand-fitter. But we have to make a stall worthy of our Society, and consonant with the general scheme of the exhibition in fairness to its promoters. Our Committee gratefully acknowledge the gift of space (worth 50*l.*, not 130*l.*, as I stated erroneously) from the proprietors of the exhibition, and also the 20-per-cent. reduction which the stand-fitters have made in their estimate. I should like to assure the promoters, through the medium of your paper, that, in spite of anything that has been said, no one has any thought of "looking a gift-horse in the mouth," and to assure those who are making efforts to help the Fund that not a penny is being wasted. The ladies who are working so hard now, and whose labours will culminate (we hope) in a very busy and successful week (June 22 to 25), will find the value of their work enhanced by a suitable stand in which to display it, and they ask that all visitors to the exhibition will call on them and judge for themselves, and be prepared, incidentally, to empty their purses! May I also be allowed to announce here that Mrs. Neathercoat, wife of the President of the Pharmaceutical Society, will speak shortly on the aims of the Benevolent Fund, on June 22, at 3.30; and Lady Glyn-Jones on a similar topic on June 23, at the same hour? All visitors to the exhibition are cordially invited.

Sincerely yours,
MARGARET E. BUCHANAN.

17 Bloomsbury Square, London, W.C. 1.

Dangerous Drugs Act Regulations.

SIR,—The correspondence in the *C. & D.*, June 4, p. 70, on the Dangerous Drugs Act Regulations raises several new points of view, although all are agreed that the pharmacist has the worst of the case, as usual. "E. W." writes: "Has it never occurred to the authorities that the chemists might refuse to work the Act?" Doubtless it has, and perhaps they would not object to chemists taking such a step; it might help them. "Is there any other body of traders that could take our place?" Well, there are the doctors, the welfares, the clinics, etc., and the oft-proposed State dispensaries; any or all of these might fill the breach, and there would be no need for qualified pharmacists to handle poisons; the name of a medical practitioner, possibly the local medical officer, registered as superintendent, would be sufficient to constitute supervision for Government requirements. "J. J. J." asks if we are to refuse to dispense scripts which have been in use for years. Certainly. All such scripts containing morphine, etc., in sufficient quantity to come under the Regulations will be obsolete on September 1, and the customer will have to obtain a new script every time, or rather every fourth time if it is marked to be repeated three times, of course paying the doctor's fee on each occasion; while, if the original prescriber is dead, or retired, or lives out of reach, the pharmacist will probably be approached to provide a copy, so that the new doctor can see it, the question then arising whether it would be permissible to supply copies of such scripts. The remedies quoted by "Is it Worth While?" are in frequent demand in many districts, and I note with satisfaction that you intend to deal with this fully; the average retail pharmacist will certainly require a more lucid wording of his responsibility than that of the Regulations alone. In the report of the Committee it is stated that the minimum percentage of morphine, etc., was fixed by the Act of Parliament passed to carry out the International Opium Convention, and that the framers of the Regulations could not go beyond the Acts. Now, what about the Pharmacy Act? I see that the Council are to take counsel's opinion on the point; I hope it will be more favourable than in previous cases. There is a gentle hint by the Committee to the Pharmaceutical Society to fill in the gap caused by the minimum percentage by including all such dilute preparations in Part I. of the schedule. Will the Society be compelled to do this next by the powers that be? In the meantime the traffic in cocaine by doubtful persons goes gaily on; each week there are one or more persons charged in the courts, and it should not be beyond the power of the police to find out the source of supply. If by smuggling, it is a question for the Customs searchers; if from unscrupulous wholesalers or retailers, it should easily be stopped; but these underground supplies will never be touched by Regulations which only condemn honest traders for offences they have never committed.

Yours faithfully,
SUBURBIAN (4/6.)

Australian Sandalwood Oil.

SIR,—We note with interest, in your issue of February 26, 1921 (p. 85), the editorial remarks on Australian sandalwood oil. The "Bulletin" of the Imperial Institute on this subject is the result of investigations carried out on a sample of the oil which we forwarded to the Institute some time ago, and your reference to the "Bulletin" is the first information we have received that this research has been completed. We are extremely pleased to see that our contention (even now combated in certain quarters) that the oil is distilled from a true sandalwood * is officially recognised, also that its definite relationship with the East Indian oil is demonstrated. Its therapeutic value we are content to leave in the hands of the General Medical Council for determination, feeling satisfied that their final judgment will coincide with that of the various Australian practitioners, who have tested it thoroughly for their own information. The distillation tests carried out by the Institute coincide generally with the results we obtained, except that never yet have we obtained an oil of lower santalol content by removing 30 per cent. of the more volatile constituents. We can, however, conceive of certain conditions which would lead to this result, but have ourselves always carried it out in such a manner as to keep the destruction of the alcohols at its lowest limits. The fact that all oil we obtained containing 90 per cent. or over of santalol was dextrorotatory, decided us to market the refined oil of 70 per cent. santalol on its own merits, and not attempt to raise the percentage, which would only mean a certain loss of oil with no corresponding advantage, such as official recognition. Regarding the presence of other

alcohols than santalol, it must be borne in mind that santalol is not a pure substance, but is a mixture of at least two, and in all probability three, isomeric sesquiterpene alcohols of differing rotatory power, and, consequently, it seems quite feasible to suggest that the alcohols in the West Australian oil are identical with those of the East Indian, but are present in different proportions. This seems to be borne out by the oxidation tests, as it is evident that the yield of santalenic acid does not correspond to the santalol present in either case, but the probability is that only one of the isomeric alcohols is oxidised to santalenic acid, and that the East Indian oil contains a much larger proportion of this alcohol than West Australian oil, and yet it is not this alcohol alone upon whose value the oil depends, but on the total quantity present. Finally, while our oil does not conform to the official standards, I can hardly agree that "it is apparent that the Australian product is not suitable for medicinal use," as it is being used, though its value may be in doubt, and we feel sure that further investigation, especially as to its therapeutic value, would lessen the likelihood of its being refused admission to the official list.

Yours sincerely,

For C. L. BRADDOCK,
Sandalwood Oil Distiller,
R. E. Parry, M.Sc., A.I.C., Manager.

Perth, Western Australia.

[* Australian sandalwood oil is obtained from the genus *Fusanus*, which very closely resembles *Santalum*, although generally considered to be not identical.—EDITOR.]

German Reparation (Recovery) Act.

SIR,—Some weeks ago a statement was made in the House of Commons by a responsible Minister to the effect that the German Government had given an undertaking to the British Government that they would reimburse their exporters up to the amount of the 26 per cent. duty which was being levied on goods exported from Germany and consigned to the United Kingdom. To-day our members are being advised by German exporters that their Government has not issued an official notice guaranteeing them the repayment of this duty, and therefore they can only despatch goods on receipt of payment in full. It is worse than useless for our Government to accept assurances from the German Government without taking the necessary precaution to see that such undertakings are given official publicity by the German Government in their country, and are, in fact, carried out. The present situation is extremely unsatisfactory, the British trader still having to pay the duty himself in order to obtain the goods.

Yours faithfully,

80 Fenchurch Street, E.C. O. J. C. BROMFIELD.

Out-of-work Doles.

SIR,—When one considers the years of apprenticeship, the amount of education and training required to fit a man for the chemist's business, and the responsibility of the work he has to perform when trained, it is a downright scandal to read, as one may in your correspondence column of late, that an unemployed man has to stand in a queue outside a labour exchange to draw a weekly dole. And the prospects of assistants seem likely to become worse rather than better, for in spite of the fact that the last examinations showed only a comparatively small number of entries, the large number who passed last midsummer has not yet been placed, as is evidenced by the advertisements in the *C. & D. Supplement*, and in another month or so we shall have the summer examination round again, with, I understand, about two thousand more candidates. What is to become of them all? And the big companies have given their opinion that they are overstaffed and declare their intention of reducing the number of their employees. Imagine the feelings of the successful candidate who, with the President's congratulations in his ears, is ushered out into the backyard of Galen Place to find his way to the queue at the labour exchange.

Yours faithfully,

LUE (14/5).

Dispensing Difficulties and Notes.

Iodex in Ointments.

SIR,—Would you please give an opinion as to the advisability of dispensing the following :

I.		II.	
Hyd. ox. flav. ...	ʒj.	Ung. hyd. ammon.	ʒij.
Ung. iodex	ʒj.	Ung. iodex	℥ss.

Yours faithfully,

BOREAS (5/3).

[Both combinations seem to us to be quite in order. There is no difficulty in compounding them. Iodo-mercury ointments are not infrequently in evidence. Most likely these are quite efficient combinations.]

A Quinine Mixture.

SIR,—Please give comments on this mixture :

Ferri et quin. cit.	ʒj.
Liq. arsen. (Fowler) ...	♏xlviij.
Syr. aurantii	℥ss.
Spt. chlorof.	ʒij.
Aquam destil. ad	℥viij.

Yours truly,

E. M. (5/5).

[The only comment we have to make in regard to this prescription is that the mixture compounded from it is a very nice one, both in appearance and palatability. It is clear, and possesses the attractive green colour characteristic of solutions of iron and quinine citrate.]

Zinc Lactate Mixture.

SIR,—I have had considerable difficulty with the attached prescription, and shall esteem it a favour if you will kindly examine and report on same. It was originally dispensed by an historic house as a clear solution, and then with a deposit by a local chemist. I know the former house always send out calc. lactate mixtures "clear" if possible, using calc. carb. and lactic acid in preference to the salt, but was in doubt whether they would treat this one in the same way or not. I finally decided against the zinc carb. and lactic acid, as I did not think the second dispenser would adopt this method. On seeing the mixture, the patient informed me that he had brought the prescription to me as he was dissatisfied with the second bottle; and although I pointed out that it was not a disadvantage to have a deposit, I could only satisfy him by promising to supply a clear solution; and here is my difficulty : although it is possible to prepare a clear solution by adopting the above procedure, I find it impossible to keep the salts in solution for more than twelve hours, and shall be glad if you can help me in solving the difficulty.

Yours faithfully,

LACTATE (26/4).

Sodii bromidi	gr.xx.
Zinci lactat.	gr.iv.
Liq. arsenicalis	♏ij.
Aq. chlorof. ad	℥ss.

[The mixture can be compounded to remain clear by using the salts as prescribed. Zinc lactate being soluble in about 60 parts of water, the quantity ordered in the prescription, if all dissolved, affords a saturated solution. Zinc bromide, however, is an extremely soluble salt, and as there is enough sodium bromide prescribed to change, by double decomposition, the whole of the zinc lactate into bromide, the plan to follow is to encourage the occurrence of the change. This does not readily take place in the cold, and if the mixture be compounded in the cold there will be a precipitate. The employment of a little heat, however, brings about the desired reaction. Use just sufficient heat to obtain solution of the salts, and add the solution of arsenic. Bearing in mind the tendency of some zinc salts to become basic if the mixture be not acid in reaction, add a drop or two of hydrobromic acid to make it so, and the mixture will remain clear. There would not be any advantage in preparing the zinc lactate specially in the way you mention.]

Legal Queries.

S. M. M. (30/5).—You can enter for the first part of the Qualifying examination before you attain the age of twenty-one. The secretary of the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C., will send you particulars of the examination on application.

J. B. (3/6).—The wording you send for lozenges does not involve liability to stamp duty, but we cannot see how people are to know the lozenges are for use in coughs. The expression on the throat-pastille label, "destructive of germs which attack the throat and chest," is a doubtful one.

Wulfruna (31/5).—The copyright of the design for a poster belongs to the author, and he can sue for damages any person who infringes the copyright. The registration of copyright at Stationers' Hall is no longer a condition precedent to action for infringement of copyright

F. W. L. (4/6).—The label you send for blood purifier gives a reference to a standard formulary, making the article to which it is attached a "known, admitted, and approved" remedy. As such it can be sold by registered chemists and by limited companies carrying on business according to the provisions of the Poisons and Pharmacy Act, 1908.

Nemo (31/5).—DANGEROUS DRUGS ACT.—(1) The cough-mixture formula you refer to contains 0.069 per cent. of morphine hydrochloride (which represents approximately 77 per cent. of anhydrous morphine), equal to 0.052 per cent. The strength is well below the limit fixed by the Act. (2) The limit of morphine hydrochloride, in round figures, is 1 in 400, or approximately 1 grain in the fluid ounce. (3) Poppy capsules contain from 0.16 to 0.28 per cent. of morphine, and syr. papav. is about 1 of capsule in 2¼ of syrup, so that the maximum percentage of morphine, 0.132, placed the syrup well outside the Act. The preparation containing syr. papav., of which you send the formula, contains at the most about 0.062 per cent. of morphine.

H. D. (31/5) is tenant of a combined dwelling-house and shop under an agreement for three years, expiring in June, 1922, at a rent of 45*l.* per annum. The rent in August 1914 was 40*l.* "H. D." pays the rates, and is responsible for all inside repairs. Having just received from his landlord a notice to quit and a notice of increase of rent, he asks what length of notice is he entitled to, and by what amount the rent may be increased. [Unless the agreement provides to the contrary, no notice to quit can take effect until the end of the existing tenancy in June of next year; nor can the rent be increased until after that date. At the end of the present tenancy the landlord will be permitted to increase the standard rent of 40*l.* by 15 per cent. and, in addition, by an amount to be agreed upon in respect of his liability for outside repairs.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. E. W. (29/5).—THE GUT PRESERVATIVE used for tennis rackets consists of white hard spirit varnish (usually diluted), and sometimes disguised with colour.

J. W. (1/3).—DEVELOPER.—The new "D 50" developer (*C. & D.*, May 14, p. 46) possesses the advantages of keeping well and of being usable over and over again. It is suitable alike for films and plates.

Farmacist (25/4).—FISH MEAL.—The fish used in fish meal is freed from scales and bones, and then dried in a current of hot air (150°-200° F.), when it can be ground to a coarse meal. Usually an addition of farinaceous material is made so as to absorb the oil. A suitable addition in the case of cattle food is oat flour

J. G. C. (9/5).—(1) We cannot undertake to search for formulas of "known, admitted, and approved" remedies containing specified ingredients. There are many thousands of these formulas. (2) We do not understand your reference to fining ice cream.

J. R. M. M. (Bombay) (1/4).—HAIR-DYE.—We are unable to say with certainty what was the composition of the German hair-dye sold in India before the war. From your description it appears to have been one of the ursols—*i.e.*, *p*-amidophenol and *p*-phenylenediamine and their salts, which are especially adapted for dyeing fur. Hydrogen peroxide is employed with ursol at the final stage of the dyeing.

C. W. D. (23/5) and *M. R. M.* (Bombay) (31/3).—DEODORISING COCOANUT OIL.—The following are the methods employed: (*a*) Washing out the odoriferous bodies with alcohol, and (*b*) volatilisation of these bodies by heat. The first method is known as Chevreul's or Schlinck's, and is conducted in a special apparatus that keeps the oil melted and circulates the hot alcohol, at the same time preventing evaporation. Animal charcoal is also used for filtration purposes to improve the colour. The heating process (*b*) consists in blowing steam at a pressure of from six to eight atmospheres through the melted oil for about two hours to drive off the volatile acids, and 0.25 per cent. of calcined magnesia added to combine with the non-volatile acids, the magnesium soap being skimmed off the surface. There are, however, secret processes in use which are probably improvements on either of the methods mentioned here.

Aspin (31/5).—Strong solution of ferric chloride is used for softening the toe-nail in cases of ingrowing toe-nail

W. R. D. (31/5).—See reply to J. G. C. (1).

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1871.

Cigar Brands.

The marks used by the trade on cigar-boxes are seldom understood aright, that is, by the public generally. The most important is the brand, so called because it is almost always burned on the box with a hot iron. The brand may be either the name of the proprietor or a special fancy name, generally that of the factory, from a Cuban custom of placing on the sign of retail stores and places of business a fancy name instead of the firm name, as "La Corona" (The Crown), "La Perla" (The Pearl), or "Flor de Fumar" (Flower of Smoking). Next come the indications of style, that is, shape and size; the terms used are, as a rule, common to all manufactories, as very few make any particular shape or size exclusively. This is stencilled, and usually on the front of the box. The most familiar are: Regalia (present or gift), about ordinary size; Media Regalia, a smaller size; Regalia del Rey (King Regalia), still smaller; Regalia de la Reina (Queen Regalia), the smallest; Londres (London), so called from being a favourite in London, is medium size in length and thickness; Brevas, named from a luscious variety of the fig grown in Spain, a large cigar; Concha (a shell), but really named after General Concha, a former well-known Captain-General of Cuba, who having squandered his fortune, and being heavily in debt, was appointed to the command of the island by the Queen, from which he retired in five years with the modest sum of $7,000,000. Next come the marks used to denote the quality of the tobacco. The mark for the best is now generally Flor (Flower), instead of "Firsts"; the next grade is designated by Segundo (second), or Superior, used by some manufacturers. Lower grades, or "Thirds," are not often marked, though sometimes they are to me met with marked "Bueno" (Good). These marks are stencilled on one end of the box, and on the other the mark of the colour, which is always expressed in Spanish; as Oscuro (obscure), very dark; Maduro (mature), dark; Colorado (reddish), brown; Claro (clear), light-coloured. These are also used compounded to designate intermediate shades; as Colorado-Claro, light brown; Colorado-Maduro, dark brown.

TRADE GETTING
EASY AS A.B.C.

WANTED NOW

during the present weather. So white, smooth, soft, non-separating and pure. Packed in the prettiest labelled tube in a sale inducing 'two-green' carton. Delicately perfumed with

REAL OTTO OF ROSES

and proclaimed by all who have tried it, the "finest yet." That is

CHRISTY'S
COLD CREAM

No Chemist who is sincerely jealous of the type of everyday preparation he hands his customers will have anything else, hence its big and increasing demand.

Can we persuade you to try just this little trial lot?

3 doz. No. 7 P.A.T.A. 8½d. . . 5/- doz.

1½ doz. No. 9 P.A.T.A. 1/- . . 7/- doz.

along with a showcard "Beauty in the Making."

FINALLY

IT NEVER GOES RANCID AND NEVER LETS A CHEMIST DOWN

If you would like to order the suggested quantity just put the word below on a postcard and sign your name and give address.

"KOKREEM"

VOL-PEEK
THE "MINUTE MENDER"

For Pots, Pans and Watercans, and all other kinds of Metal and Enamelled Utensils.

"Vol-Peek" is so different and so easy—Think—a pinch of plastic "Vol-Peek" put on hole to be mended—then press through and with thumbs form a rivet. Finish with a moment's heating over the gas—that's all.

The leak is then stopped permanently and will last as long as the utensil.

Sells at 1/- per carton and bought at 8/- per dozen.

Shown on the counter in a dinky little 2-doz. stock-holding illustrated, demonstrating carton.

Window Bill with each 2 doz. carton.

Translucent, multicolour transparency for shop window with all orders for **3** x **2** doz. cartons.

A new and clever invention which will revolutionise pot mending in all its varied branches. Introduce it to your customers, and they will sincerely thank you.

Should you like to order 3×2 doz. cartons of "VOL-PEEK" just sign your name and give your address with the word **at foot.**

"VOL-PEEK"

IF YOU ACCEPT BOTH OFFERS—CARRIAGE IS PAID

THOS. CHRISTY & CO.
4-12 OLD SWAN LANE,
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Chemical and Pharmaceutical Products, Drugs and Herbs,

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HYDROGEN PEROXIDE 12 vol. 20 " 100 " } for Export.

ETHERS
CHLOROFORM
CHLORAL HYDRATE
COLLODIONS
SPIRITS—ELIXIRS—
ALCOHOLIC TINCTURES
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EXTRACTS
OF ALL KINDS
METALLINE
Metallic solution for capsuling vials, bottles, etc.

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GOLD MEDALS: Paris, 1889 and 1900.
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"ROQUES" ATROPINE
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TOMODA & COMPANY,

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THE SUPPLIERS OF THE FOLLOWING JAPANESE PRODUCTS:
Ammonia Sulpho-Ichthyol, Agar-Agar, Aniline Oil Argent. Proteinic, Arsenobenzol, Caffein Pure, Camphor, Chalk Precipitated, Chamomile Flowers, Cod Liver Oil, Copper Sulphate, Epsom Salts, Glycerine, Insect Flowers and Powder, Iodide Potass., Iodide Soda, Iodine Pure, Iodoform, Kuromoji Oil, Magnesia Carbonate, Menthol, Menthol Cones, Naphthalin, Neoarsenobenzol, Peppermint Oil, Salicylic Acid, Salicylate Soda, Sulphate Iron, Staraniseed, Talcum, Yellow Prussiate Potass., Zinc Oxide, Ginger, etc. etc. Also Glasswares and Bottles.

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"REAL LIVE ASSETS OF BUSINESS"

CAN YOU BEAT THESE TWO?

No. 1. PROMPTITUDE

By the 7 P.M. post we received an order from a customer in South Wales (Montgomeryshire) for an assorted gross of Tinctures and Pilules. The same were at once packed up and put in the post before 8 P.M. To our amazement, by the 7 P.M. post *on the following evening* back came our checked invoice of the goods, and a remittance for the amount of same, with a sincere expression of many thanks for our promptitude. How is that for a record?

No. 2. RELIABILITY

A large wholesale and retail firm ordered an assortment of medicines to be sent direct to a lady customer of theirs.

The lady wrote to us acknowledging the receipt of the parcel, and said: "I thank you for your letter and parcel, and am, indeed, very glad to have had the medicines from your firm, as I wanted the *best and most reliable.*"

1/- Tinctures and Pilules, 4/6 per dozen, less 10% monthly account. Orders for 10/- net and upwards sent carriage *free.*

Send us a trial order, and let us convince you.

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WHOLESALE PRICES.

Beecham's Pills:

1s. 3d. size	... ...	10s. 6d. per doz. net.
3s. 0d. „	... ...	26s. 6d. „ „
5s. 0d. new size, contains double the quantity of 3/- box.		50s. 0d. „ „

Beecham's Cough Pills:

1s. 3d. size	... ...	10s. 6d. „ „
3s. 0d. „	... ...	26s. 6d. „ „

Minimum quantity £5 value. Packages FREE. Carriage PAID. CASH WITH ORDER.

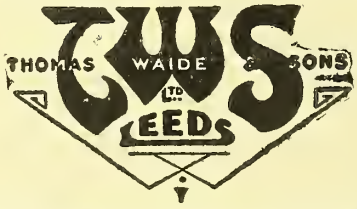
Cheques to be made payable to **THOMAS BEECHAM**, and crossed "Parr's Bank, Ld., St. Helens."

To Chemists

If we were desirous of giving you Testimonials as to the quality and expedition of our work we could do so, but they would take up too much space in our advert. It is sufficient for us to have the appreciation of our customers, who are always talking about us, and that is what they do. Thus they keep us busy, and always keep us thinking how we can improve our work, with a desire to serve them to our utmost. . . . . .

Labels, Cartons, Pockets, Handbills,

are daily requirements of the Chemist. Send your next enquiry to . . . . . .



Full Set of Samples to Colonies for 10/6, which amount we credit on orders of £10 and upwards.

Cephos

For NEURALGIA, HEADACHE, RHEUMATISM & INFLUENZA.

TRADE TERMS:

MINIMUM RETAIL PRICE	1/3	3/-
PRICE ... ... per doz.	12/-	30/-

Bonus of 10/- on £5 worth for 14 days' Window Display

Terms: Cash in one month. Orders carriage paid. Minimum Retail Price: Loose powders 2½d. each, yielding a profit of 99%.

CEPHOS LTD., BLACKBURN, Lancs.

REAL SILVER LEAF

As supplied for many years to the leading Houses for Pills, Cachous, &c.

We also supply

GOLD LEAF AND GOLD POWDERS

WHOLESALE ONLY.

E. WINTER & CO., LTD.

Head Office: 64 Cheapside, London, E.C. 2.

TELEPHONE: Central 985.

One of the very best sellers in *your* business, with a specially rapid sale, and well advertised.

WOODWARD'S

"GRIPE WATER"

1/3

1/3 per Bottle.

(Under the protection of P.A.T.A.)

NET PRICE:

1 gross, delivered free to your door, **£7.**

Your profit is 28½ per cent.

No more used "Gripe Water" Bottles required.

SOLE PROPRIETORS:

W. WOODWARD (1920) LTD., 79-87 Fortess Rd., London, N.W. 5

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ESTABLISHED 1900.

CULINARY HERBS, RUBBED MINT, PARSLEY, THYME, SAGE, etc. etc.

CULINARY HERBS OUR SPECIALITY

Wholesale and Export Only

Dr. B. W. GATHERGOOD'S Exor. & Co.

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J. FLEMONS & SONS

Wholesale Herb Merchants,

DUNSTABLE & SOHAM.

Special lines: English Herbs, Roots and Flowers, fresh and dried.

LEAVES & HERBS.

Digitalis, Belladonna, Broom Tops, Dandelion Tops, Coltsfoot, Mugwort, Ragwort, Wild Carrot, Meadowsweet, etc

ROOTS.

Belladonna, Burdock, Bryony White and Black, Comfrey, Dandelion, Male Fern, Doggrass, etc.

Full List on Application.

Robert W. Phillips LIMITED

Import, Home Trade, Export Merchants

CRAVEN HOUSE, KINGSWAY, LONDON, W.C.2

ESSENTIAL OILS. ESSENCES.

Perfumery. Fine & Heavy Chemicals, etc.

Representation and Buying undertaken for Foreign and Colonial Houses.

Telegrams and Cables: "Philkiway, Westcent, London."

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Indents Executed. *Enquiries Solicited.*

Retailed at 2/- and 4/6.

Liberal discount to the Trade.

UNEQUALLED FOR CHEST COLDS & BRONCHITIS, RHEUMATISM, SPRAINS AND STIFFNESS. - - FOR ALL ACHES AND PAINS.

Simple to use. Effective and Invigorating. Splendid for Athletes.

PREPARED ONLY BY *ESTABLISHED 1840.* **DAY & SONS, CREWE, Ltd., CREWE**

A line backed by Medical Opinion

Liberal discounts—splendid sales—strongly backed by the Medical Profession, from whom we have hundreds of convincing testimonials. This is why

Sphagnol

SOAPS & OINTMENT

should be on *your* counter—it's a money-making line.

Sphagnol preparations are the proven remedy for all skin diseases, including

Eczema, Chilblains, Pruritus, Psoriasis, Acne, Scabies, Seborrhœa, Hæmorrhoids, Alopecia, Herpes, Lichen, Impetigo, Sycosis, Urticaria.

Write us to-day for details and get in touch with better business.

PEAT PRODUCTS (SPHAGNOL) Ltd.
Dept. "B5." 18 Queenhithe, LONDON, E.C. 4.
Sphagnol is ***persistently*** advertised.

Seven Spas Soap

For all Rheumatic Complaints. Recommended by the Medical Profession.

SOLD BY ALL STORES AND CHEMISTS.

Price **1s. 6d.**

Seven Spas Proprietary Co., Ltd.
3-9 Heddon Street - Regent Street, W. 1

Increasing Demand for JAPLIN'S Anti-Rheumatic SOAP

SPECIAL OFFER.

Chemists can be supplied with sufficient quantity packed in artistic boxes, for window display purposes,

on SALE or RETURN

A fee will be allowed to Chemists who give good display. Full particulars from—

Japlin's Anti-Rheumatic Soap Ltd.,
2 & 4 Tudor Street, London, E.C. 4.

We urge every Chemist to buy a £2.0.0 quantity of

Antiphlogistine
(P.A.T.A.)

and save 5%

DO IT TO-DAY.

WRITE FOR BEST TERMS, CARRIAGE PAID.

Sole Agent—

J. F. MURPHY, 41 St. Ann's Rd., London, E.3.

P.A.T.A. NOTICE.

18 Tavistock Square, W.C.1.

June 11, 1921.

The following revised prices are now in force:

Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
1/6	"Allenburys" Cod Liver Oil	1/6	13/6 doz.
2/6	,, ,,	2/6	22/6 ,,
4/6	,, ,,	4/6	40/6 ,,
8/6	,, ,,	8/6	76/6 ,,

THE Council of the P.A.T.A. hereby heartily invite applications for membership from manufacturers of Proprietary Articles, and from Wholesale and Retail vendors of the same. Whatsoever manufacturers' thoughts may have been in the past about the need for price-protection, none but the selfish can now maintain that better profits (assured) are not essential to the conduct of business. The cost of running pharmacies is now greatly increased, and it cannot be wondered at if retailers give the iciest of "cold shoulders" to proprietaries not on the P.A.T.A. Subscriptions (which run for twelve months from date of joining) are:—

Manufacturers	£6 : 6 : 0
Wholesalers	10 : 10 : 0
Retailers	0 : 7 : 6

Crossed cheques or P.O.s, payable to the Proprietary Articles Trade Association, to be sent to the Secretary,

SIR WILLIAM GLYN-JONES,
18 Tavistock Square, W.C.1.

Savars Cubeb Cigarettes
FOR
ASTHMA & CATARRH

	RETAIL.	WHOLESALE.	
P.A.T.A.	1/3 each.	10/6 doz.	NET.
	2/9 ,,	24/6 ,,	

£5 orders less 5% discount.

EVANS SONS LESCHER & WEBB, Ltd.
LIVERPOOL New York LONDON

Profitable Specialities

From every point of view P., D. & Co.'s protected preparations are worthy of special attention. They yield a really satisfactory protected profit; they are pharmaceutical products, and for supplies all enquiries are referred to the *pharmacist.*

Antacid Lozenges

An agreeable combination of approved neutralising agents with carminatives and Taka-Diastase. Attractive tins of 48, issued in 1-dozen display outers.

M.R.P. 1/3 M.W.P. 10/2 net per dozen

Fecto

A solution of hypochlorites and chlorine, containing about 4% of available chlorine. A non-poisonous germicide, deodorant and disinfectant of proved value.

		M.R.P.	M.W.P.	
8-oz.	...	**1/3**	**10/2**	**net per dozen**
16-oz.	...	**2/3**	**18/0**	**„**

Germicidal Soap (McClintock)

A safe and convenient means of using mercuric iodide as an antiseptic. It may be recommended as a shampoo for use in dandruff. Leaflet available.

M.R.P. 1/3 M.W.P. 9/7 net per dozen

Hydrogen Peroxide Solution

The label is a guarantee to both the retailer and his customer, and at the same time suggests many new uses. Leaflet also available.

		M.R.P.	M.W.P.	
4-oz.	...	**1/6**	**12/2**	**net per dozen**
8-oz.	...	**2/6**	**20/6**	**„**
16-oz.	...	**4/6**	**39/3**	**„**

Salevac

A particularly agreeable aperient saline in fine uniform granules. Salevac is issued in effectively sealed bottles containing about 5 oz.

M.R.P. 2/6 M.W.P. 21/9 net per dozen

Full list of protected specialities, showing the chemist's percentage of profit on all important specialities, on request.

PARKE, DAVIS & CO.

50-54, Beak Street, LONDON, W. 1.

Laboratories - - Hounslow, Middlesex.

T.J. 95

Keep Nujol on the eye-line

Nujol

REG. U.S. PAT. OFF.

For Constipation

What Sells the Second Bottle?

It's not the first sale of an article that piles up the big profit, but the second, third, fourth and future sales.

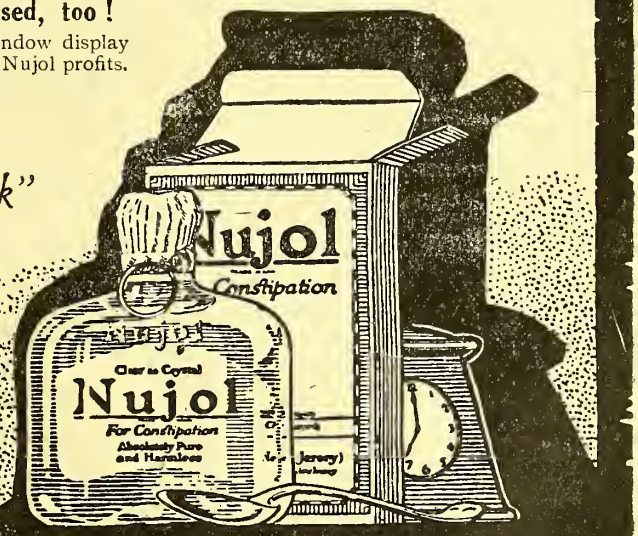
Nujol is a profit-builder, because it is a repeater by nature. It is not a one-time seller for emergency use. It's a treatment—not a dose. Your customers can use Nujol indefinitely because it forms no habits.

Nujol is the product of a world-wide organisation, prepared and purified from the choice of the world's raw material.

Persistently Advertised, too!

Take advantage of the window display and get your full share of Nujol profits.

"Regular as Clockwork"



If your Wholesale House cannot supply you, write to the Sole Distributors for the United Kingdom—The Anglo-American Oil Co., Ltd., Minerva House, Bevis Marks, London, E.C.3. For India: Muller & Phipps (India), Ltd., Bombay, Calcutta, Madras.

Send your name and address for attractive window display material, carriage paid, Anglo-American Oil Co., Ltd., Minerva House, Bevis Marks, London, E.C. 3.

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.
LIVERPOOL - MANCHESTER - LEEDS.

SALVO PETROLIA
The Perfection of Petroleum Jelly
MANUFACTURED SOLELY BY
THE DEE OIL COMPANY, Ltd.
DELTA WORKS, BOOTLE, LIVERPOOL.
Packed in barrels, kegs and smaller packages according to requirements.
Other Grades
PETROLEUM JELLIES, WHITE BASES, ETC.
Samples and prices on application.
"OLEUM DEELINÆ," a certain cure for Eczema.
Phone: 186 Bootle. *Wires: "Cestrian Liverpool."*

ESTABLISHED 1839.
CHEMISTS' OVERALLS
From GARDINER & CO.
We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

KHAKI DRILL	12/6, 16/11, 21/6, 24/6
WHITE DRILL	14/6, 17/6
BLACK DRILL	18/6
HOLLAND DRILL	19/6

Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.
SPECIAL QUOTATIONS FOR QUANTITIES.
GARDINER & CO. (THE SCOTCH HOUSE) LTD.
1 Commercial Road, E. 1.
Teleg.: "Durastyle, Phone, London." Phone: Av. 6650 (4 lines).

MORRIS, LITTLE & SON, Ltd., DONCASTER

SHEEP DIPS Poisonous and Non-Poisonous **of all kinds.**
DISINFECTANT SOAPS of all kinds.
Sole Proprietors and Manufacturers of
PHENOID (formerly called PHENYLE).

DISINFECTANTS of all kinds, including LYSOL SUBSTITUTE and High Co-Efficients.

Largest Makers of Non-Poisonous Sheep Dip in the World.

Be prepared!

ADVERTISEMENTS for

"Semprolax"

are appearing regularly in all the best-known national dailies and weeklies. Be prepared for the certain demand for this elegant and palatable 80 per cent. Liquid Paraffin Conserve. Satisfies your customers and increases your profits and prestige.

"Semprolax" TRADE MARK LAXATIVE CONSERVE

P.A.T.A. Prices:
25 % profit.

	Retail.	Per doz.
½ lb. (approx.)	2/0	18/0
1 "	3/9	34/0
2 "	6/6	58/6

The
Wm. Browning Co. Ltd.
Albert St., Regent's Park,
London, N.W.1.

LIQUID PARAFFIN
PETROLEUM JELLIES
WHITE OILS PARAFFIN WAX

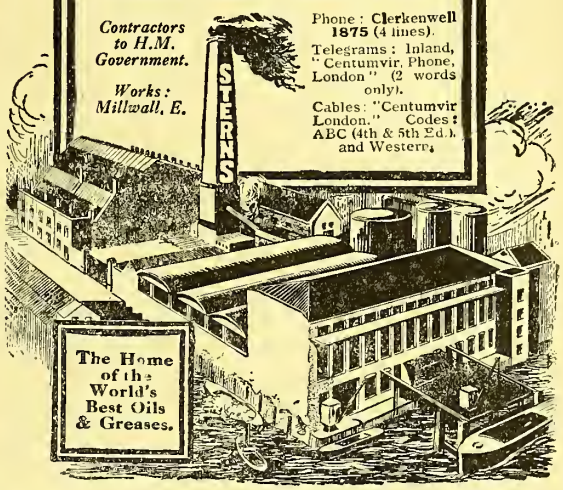
STERNS Limited,

Oil Refiners, Grease and Petroleum Jelly Manufacturers,
80 Royal London House,
Finsbury Square, London, E.C. 2.

Contractors to H.M. Government.

Works: Millwall, E.

Phone: Clerkenwell 1875 (4 lines).
Telegrams: Inland, "Centumvir, Phone, London" (2 words only).
Cables: "Centumvir London." Codes: ABC (4th & 5th Ed.), and Western.



Established over a Century.

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WHOLESALE DRUGGISTS AND DRYSALTERS, OIL IMPORTERS, GREASE AND VARNISH MANUFACTURERS.

Members of the Methylating Company, Limited.

Telephone: 1271 Central (3 lines).
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Head Office:
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Works - - - Slaney Street, Wharf Street.

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Chemical Manufacturers,
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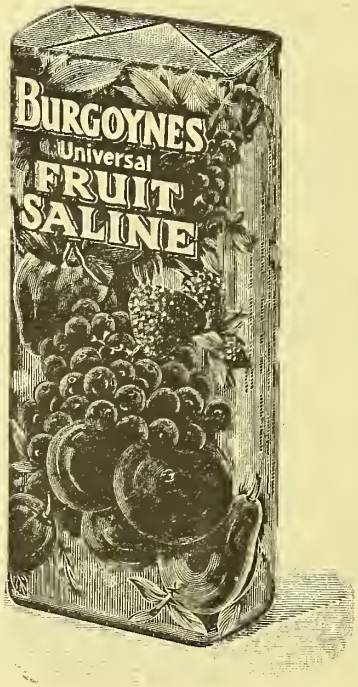
WORKS: BERMONDSEY.
Tel. No.: Hop 2029.

Before you finally decide where to get your season's supplies of

EFFERVESCING SALINE

consider well the following—

BURGOYNE'S UNIVERSAL FRUIT SALINE



MEANS A QUICK TURNOVER

9½d. PROFIT ON EACH BOTTLE

NEW CUSTOMERS TO YOUR PHARMACY.

Retail Price 2/3 per Bottle, P.A.T.A.

SPECIAL TERMS FOR WINDOW DISPLAY

FOR PARTICULARS AND SPECIMEN WRAPPER

Write to

BURGOYNE, BURBIDGES & CO., Ltd.

EAST HAM, LONDON, E.

POTTER & CLARKE, Ltd.

60, 62, 64 Artillery Lane, London, E.1

And at 24 Luna Street, Great Ancoats, Manchester.

TRADE MARK

CRUSH-LEMON

CRUSH-LEMON

THE NEW LEMONADE POWDER. SUGAR SWEETENED.

A Cool Drink for Hot Summer Days.

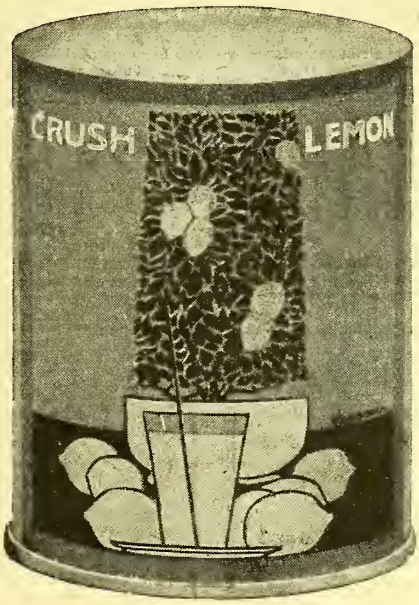
A Teaspoonful makes a Glass of Lemonade.

Smart Showcard with all orders.

Label in six colours.

A triumph of artistic skill which sells the line for you.

A line for Discriminating Buyers.



Makes an artistic window show.

Gives good value for money and good profit to retailer.

PACKED IN ONE SIZE ONLY.

8-oz. tins (as illustrated) retail **1/3** each; **10/6** dozen.

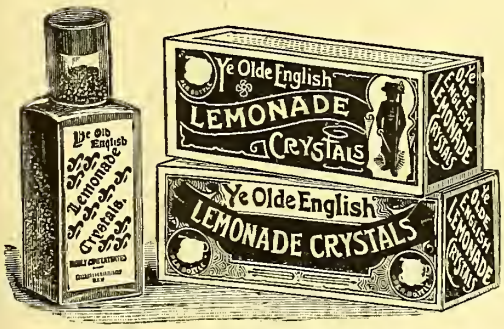
6-dozen lots, **10/3** dozen.

1-gross lots, **10/-** dozen.

On gross lots, 50 per cent. profit on cost.

CRUSH-LEMON

LEMONADE CRYSTALS.



SWEETENED.

9d. Bottles in Smart Carton, 6/- doz.

MAKES 2 GALLONS.

Customer's own name and address on special carton on orders for 1 gross.

SELLS ALL OVER THE WORLD.

Send for a copy of Potter & Clarke's Illustrated List.

WINCARNIS

Sells readily ALL the time.

COLEMAN & CO., Wincarnis Works, NORWICH.

IMPORTANT NOTE TO CHEMISTS WITHOUT LICENCES

It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a licence.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C.3.

ORION ★ ★★★ ★ BRAND

SACCHARIN

550 STRENGTH

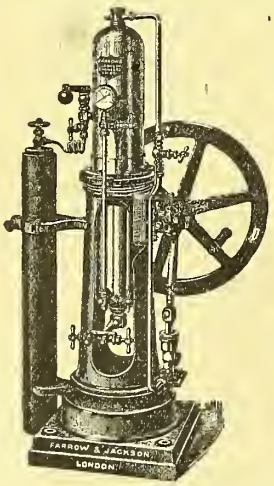
Acetanilid, Amidopyrin, Aspirin, Caffeine, Citronellol, Coumarin, Heliotropin, Nerolin, Phenacetin, Phenazone, Potass. Permanganate, Salicylate of Sod., Salicylic Acid, Salol, Terpineol, Thymol, Vanillin

Sole Importers:
LINTON, HUBBARD & ANDREW, 72-75 Fenchurch Street, LONDON, E.C. 3.
Telephone: 1892 Avenue. A B C and Lieber's Codes. Cables and Telegrams: "Linteolo London."

SODA WATER PLANT

OUTPUT FROM 200 DOZ. PER DAY AND UPWARDS

Best London Make and Latest Improvements.



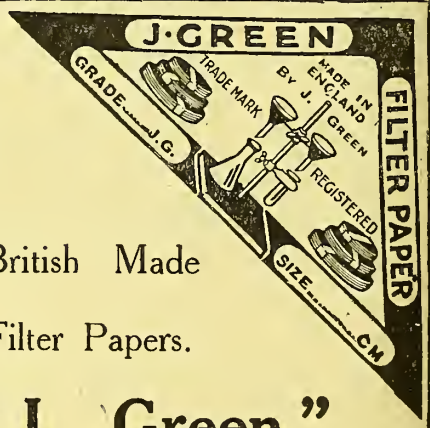
Counter Fountains and Draught Arms.

Tower Filters and Asbestos Mediums for Pharmaceutical Preparations.

Filling, Corking and Capsuling Machines.

NOTE.—F. & J. are now able to offer some reductions on recent prices.

FARROW & JACKSON Ltd.
ESTABLISHED 1798,
16 Great Tower St., LONDON, E.C. 3.



British Made Filter Papers.

"J. Green"

New and Improved fast White Filter.

Grade 595 J. G.

Please address all inquiries to J. Dept.

Makers:
J. BARCHAM GREEN & SON,
Hayle Mill, Maidstone, England.

BISHOP'S NATURAL FRUIT SALINE

What it is.

BISHOP'S
Natural Fruit Saline

is free from sugar or saccharine, yet makes a delightfully palatable beverage. Clears the liver and kidneys, and acts as a mild aperient. It is manufactured in small granules and keeps well in any climate.

It pays to push BISHOP'S !

What it costs.

BISHOP'S
Natural Fruit Saline

retails at 2/3 per bottle P.A.T.A.

Wholesale price, 20/- per dozen.

5 dozen - -	£5 0 0
10% discount	10 0
Net	£4 10 0

Carriage Paid.

Thus showing a profit of 9d. per bottle.

Attractive show material and price cards sent with each order.

PREPARED ONLY BY **ALFRED BISHOP, LIMITED, 48 Spelman St., LONDON, E.1**

A GOOD SELLER.

"WESTERN"

LEMONADE TABLETS

SWEET & EFFERVESCING.

1/3 Retail Price per bottle — Cost You per dozen **10/-**

Window Slips with every Order.

Write to us for Price List of Pharmaceutical Tablets and Chemicals.

MANUFACTURERS TO THE TRADE.

NOTE :—

We are showing at the Chemists' Exhibition on June 20—24th, 1921.

STAND 34.

WESTERN TABLET CO., Ltd.
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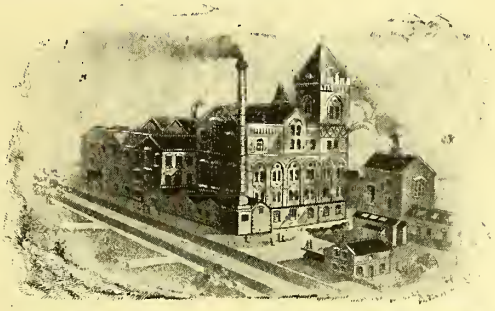
"John  Bull"
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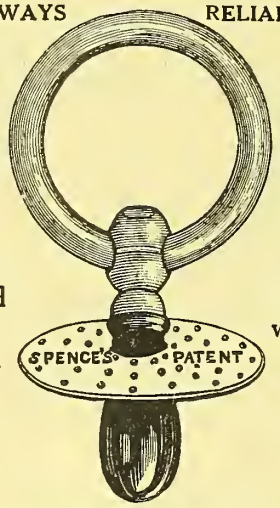

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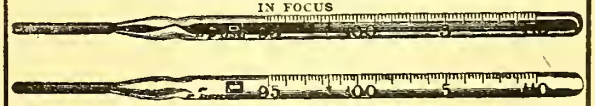

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222	White ,, ...	7¼ × 1½″	8/6
118	Black vulcanite	8 × 1¾″	10/0
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166	White ,, ...	7½ × 1½″	12/0
187	Black ,, ...	7½ × 1½″	15/0
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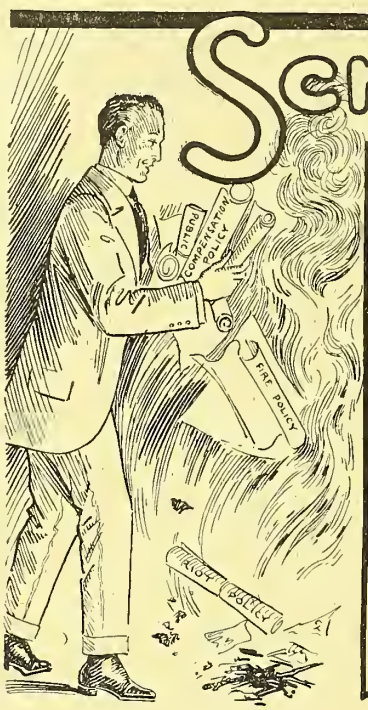

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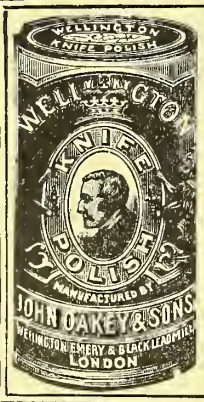

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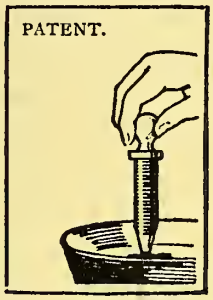

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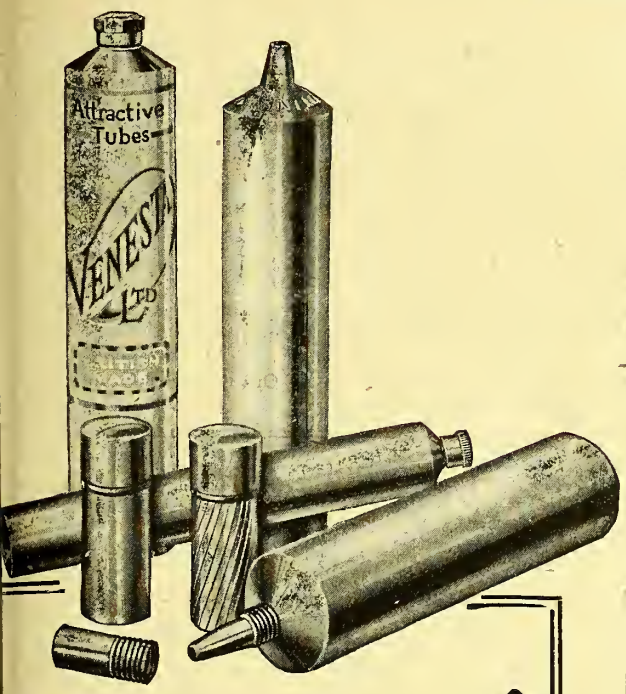

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They are made from Pure Tin, Lead or Lead-coated with Tin and supplied plain or enamelled and printed with designs to suit customers' own requirements.

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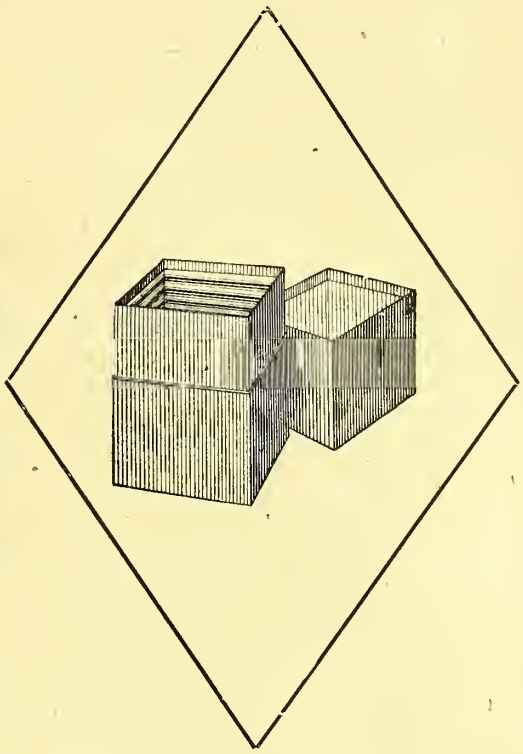

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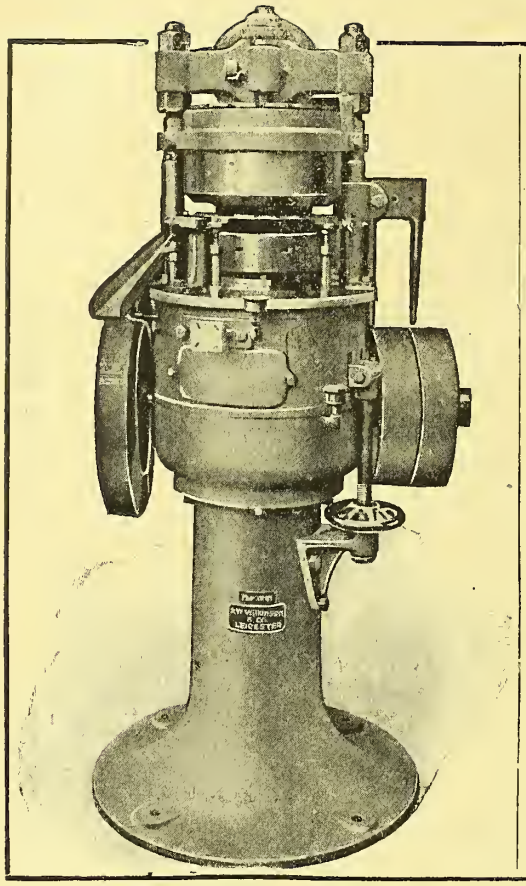

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(PATENT) Lists on Application.

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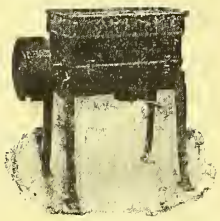

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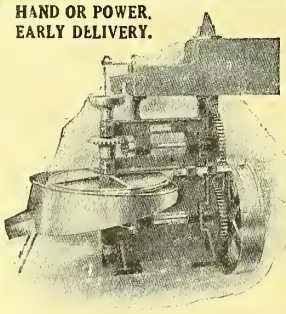

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THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C.4

JUNE 11, 1921

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

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usinesses Wanted and for Disposal, Premises Let, Goods and Shopfittings for Sale, and gencies: 6/- for **50** words; every additional **10** words or s, **6d.**

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Will advertisers please note that until further notice it will be necessary that Advertisements tended for the Supplement must ach us not later than the FIRST POST THURSDAY MORNING.

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12.—NORTH WALES.—Old-established Business, well situate in good market town; returns, present rate, about £2,000 per annum; comfortable residence; nice garden; healthy district; price £1,000 cash.

13.—WESTCLIFF-ON-SEA.—Old-established Business, Retail and Dispensing; returns between £2,000 and £2,500, increasing; *profits good*; there is a residence, with bathroom, garden; held on lease.

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(and at 2 Bixteth Street, Liverpool).

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RE THOMAS POLLARD PECHEY,

late of 54 High Street, Maldon, Essex, Chemist, deceased.

NOTICE IS HEREBY GIVEN that all persons having CLAIMS or DEMANDS upon or against the Estate of above-named THOMAS POLLARD PECHEY, who died on 27th day of May, 1921, are required forthwith to send partieu thereof in writing to us, the undersigned, the Solicitors to Executors of his Will.

Dated this 2nd day of June, 1921.

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CHEMIST requires to purchase Cash Retail Business; price a £600 or £750. Please state full particulars, A. Yo 9 Daleview Road, Stamford Hill, N. 16.

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PHARMACIST desires to purchase genuine Business; Liver district preferred, but not essential, with turnover betw £1,500 and £2,500; please give full particulars, which wil treated in strictest confidence; Partnership also entertained view to succession later. "Immediate" (122/40), Office of Paper.

WANTED, thoroughly genuine, well-established Cash Chemi Drug Store, or Pharmacy Business, giving a net an profit of about £1,000; West, Midlands, or Southern Cou preferred; state 3 years' net profits, price, lease, accommoda shop, house, rental, and kind of business; will be strictly c dential. "Buyer" (112/5), Office of this Paper.

WANTED to purchase, a genuine medium-class Business, i near London, returning from £1,000 to £1,500 a year, scope for increase; good position essential; Wholesale or ban references; replies treated in strict confidence. Full partic to "Alba," 76 Snake's Lane, Woodford Green.

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IE Business carried on by this Company at 26 Clyde Street, Edinburgh, is offered for Sale as a going concern, along with registered Proprietary Articles, Plant, Utensils, and Stock. ly W. J. A. Drummond & Lessels, C.A., 10 Stafford Street, burgh, or Coutts & Palfrey, S.S.C., 24 Alva Street, Edinburgh.

NDON, Essex.—Pharmacy and House for Sale; nearly 70 years' lease; takings last year £2,000; big profits; no N.H.I., but scope for it, and Dentistry; reason selling, health and estic. P.C.B. 89/34, Office of this Paper.

ONDON, S.E.—Light Retail and Prescribing Business, Photography and N.H.I.; average takings £1,500; seven-roomed e and small garden; rent £45; 3 rooms let off at £42; no ediate opposition; price £850 for cash. Further particulars pplication to 122/14, Office of this Paper.

ANCHESTER.—Splendid Business, in working-class area; big scope for increase; price £1,000 or offer. Write enwood, 81 Monton Road, Eccles, Manchester.

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UTH WALES.—A well-established and popular Mixed Chemists' Business, with Optics, in Agricultural district, not affected ndustrial strikes; returns last year £2,650, still increasing; ptional profits; easily worked; seven-roomed house; lease; price 900. Apply 121/34, Office of this Paper.

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LOCAL Agents (on commission) required throughout the kingdom for important and nationally-advertised line of American Toilet Specialities; must have good connection; men carrying non-competing line not objected to. Write fully, Box J. E. E., c/o Saward, Baker & Co., 27 Chancery Lane, London, W.C. 2.

MANUFACTURERS' Agents, with large connection throughout Scotland among Wholesale and Retail Chemists (office in central position of Glasgow) are open for an additional Agency. 120/30, Office of this Paper.

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CHEMIST-OPTICIAN, qualified, M.P.S., F.S.M.C., F.I.O., desires management with view to purchase, or part interest; neglected Business not objected to; living accommodation above, and situated on outer London area. 117/21, Office of this Paper.

PARTNER required, with good practical knowledge in manufacture of Toilet Preparations and Perfumery; advertiser wishes to add this branch to his present business (Wholesale); capital required, about £750. Apply 122/290, Office of this Paper.

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BLACKHEATH, S.E.—Assistant wanted, about 25; must be well trained, gentlemanly, good Salesman and Window-dresser, and well up in Photographic business; reasonable hours; all good-class Family Retail trade; outdoors. Full particulars and salary required to Bailey, Pharmacist, 61 Old Dover Road, Blackheath. 'Phone: 673 Greenwich.

COLWYN BAY.—Unqualified Junior, with good all-round experience, including Photographics. State full particulars, including salary required (no Sunday duty, easy hours), D. Llewelyn Jones, Chemist, Colwyn Bay.

COVENTRY.—Experienced, gentlemanly Assistant, accustomed to best-class business; must be good Dispenser and possess knowledge of Photography. Apply, stating usual particulars, with addresses for references (no copies), and salary required, Chas. H. Welton, 60 Smithford Street.

LANCASHIRE.—Unqualified Assistant required immediately; single preferred; state age, experience, and salary required. "Lancs" (123/200), Office of this Paper.

LEEDS.—Assistant required, July 1st; must be competent Dispenser, have thorough knowledge of Photographics, and capable of taking charge during principal's absence. Also vacancy for competent Lady Dispenser, with thorough knowledge of all branches of Dispensing. M. E. Murray, 221 Woodhouse Lane, Leeds.

LINCOLNSHIRE COAST.—A Junior, unqualified, now till September; light Retail, Counter, and Dispensing; easy hours; outdoors. Apply, with references, stating salary, to Frank Kirkby, Pharmacist, Sutton-on-Sea.

LIVERPOOL.—Capable and experienced Assistant required, for high-class Counter and Dispensing business. Give full particulars as to age, salary required, etc., 121/7, Office of this Paper.

LONDON.—Wanted (shortly), Assistant, with Optical qualification, capable of taking charge and extending Optical Department; one with knowledge of Pharmacy preferred. Applicants please give full particulars of age, experience, qualifications, and salary required to 124/14, Office of this Paper.

LONDON, BOW, E.—Unqualified Assistant, immediately; single; must have had some Photographic experience; state age, salary, and if at liberty. "B/E" (123/20), Office of this Paper.

LONDON, N.W.—Experienced Assistant, chiefly for Dispensing; lady or gentleman; qualified preferred; Hall qualification sufficient; highest references essential. Usual full particulars, stating salary (by post in first instance), with photo, if possible, Brickell & Jones, M.P.S., F.S.M.C., 295 High Road, Brondesbury, N.W. 6.

LONDON, N.W.—Competent Junior Assistant, unqualified, for good-class Retail and Dispensing business. Apply William Brown, 1 King's College Road, N.W. 3.

MANCHESTER.—Reliable Manager required for Drug Stores in busy working-class district; must be a live man; applications not replied to in 7 days respectfully declined. Full particulars to J. H. Squire, Ltd., Lower Openshaw, Manchester.

MIDLANDS.—Qualified Assistant (outdoors) wanted for good middle-class business; Dispensing and Counter; no Sunday duty; unfurnished house provided if required. Apply, with full particulars, to 123/32, Office of this Paper.

SOUTH DEVON Coast.—Junior Assistant required for summer season; good Counterman; knowledge of Photography; references, age, and salary required to 122/27, Office of this Paper.

SOUTH OF ENGLAND.—Assistant required; permanency, with good salary. Timothy White Co., Ltd., Portsmouth.

WISBECH.—Wanted, Junior Assistant (outdoors), unqualified; hours, 8.30 to 7 p.m. (every third week to 7.45), Wednesdays 1 p.m., Saturdays 9 p.m.; no extra duty. Apply, with full particulars of experience, age, and salary required, to Major Hill, M.P.S., The Cash Chemist, 109 Norfolk Street, Wisbech.

A LOCUM wanted for morning and evening, principally Dispensing, unqualified, for two weeks, April 13-25. Apply (at once) personally, if able, to E. L. Slade, 3 Station Parade, Kew Gardens.

ADDENBROOKE'S Hospital, Cambridge.—Immediately, Junior or Improver (male), with Hospital experience preferred; hours 9 to 5; no Sunday duty; luncheon provided. Apply, stating age, experience, and salary required, to the Secretary-Superintendent.

AN Assistant (at once), about 24, accustomed to good-class Dispensing and Photographic trade. Apply, stating experience and salary required (outdoors), Alfred Bond, Pharmacist, Bank Street, Newquay, Cornwall.

ASSISTANT, male; outdoors; Dispensing, Counter, and Photographic experience, no developing; must be reliable; photo, if possible; applicants not answered within a week not accepted. Thomas Hale, Hightown, Luton. Telephone: Luton 401.

ASSISTANT wanted for 12 months or more; capable Dispensing and good Counter hand; good knowledge of Photography essential. Give age, salary, and usual particulars in first letter to 124/1, Office of this Paper.

CLARKE'S, Chemists, 25 High Street, Newport, require capable and responsible Assistant, accustomed to quick cash business and good Salesmanship; must have thorough knowledge of Photography; good permanency to a progressive man. Apply with full particulars and salary required.

HOLIDAY Assistant wanted for August (qualified); must be good all-round man. State usual particulars and photo (if possible), also salary required, to Geo. A. Harmer & Son, Pharmacists, Eastbourne.

IMMEDIATELY.—Assistant, about 24, for season, to October, in good Dispensing business (outdoors). Particulars, height, age, last permanent engagement, photo (if possible), W. M. Rosser, Baily & Co., Chemists, Margate.

JUNIOR required; one just out of apprenticeship not objected to. State age, height, salary required, and particulars of experience, etc. (enclose photo), W. T. Hicks & Co., 28 Duke Street, Cardiff.

JUNIOR.—Wanted, young lady, from August 8th to 20th, to Dispense and assist at Counter. E. Floyd, c/o Mrs. Chaplain, Bridge Street, Stowmarket.

JUNIOR Assistant, July 1st to September 30th. Apply, stati salary required, Leach, Market Place, Macclesfield.

JUNIOR Assistant (male) required, end of June, for quick Ret and Dispensing business; knowledge of Photography essenti Apply first by letter, stating references, experience, and sala required, Marshall & Co., 5 Pimlico Road, S.W. 1.

JUNIOR Assistant required in good-class Retail business; go Salesman, Window-dresser, and well up in Photography; o doors; no Sunday duty. Please give full particulars to "J. E. F 131 High Street, Putney, S.W. 15.

LADY Assistant for N.H.I. Dispensing and General Ret business. Apply, stating age, height, experience, when engaged, and salary required, to Shaw, 92 Packington Str Islington, N. 1.

LADY Assistant, unqualified; experienced Dispenser; chic N.H.I.; must be well up in Counter work. Apply, stati age, experience, and salary expected, to 123/30, Office of t Paper.

LOCUM, qualified, required for three weeks in July, or J and early August. Write, stating terms, references, e to "K." (120/17), Office of this Paper.

LOCUM wanted (outdoors); June 20 to July 6 inclusive; st terms. J. F. Wilkinson, 129 Ferham Road, Rotherham.

LOCUM required, from August 8th to 20th inclusive, for go class Dispensing and Photographic business; outdoors; m be qualified and experienced. Send terms and full particulars Gilling, Chemist, Sunningdale.

QUALIFIED Lady Dispenser required immediately (Minor exa nation) for good-class London business; applicant must young, energetic, a reliable Dispenser, and able to assist Counter. Apply by letter to "Sonia" (30/460), Office of Paper.

QUALIFIED Manager; London, N.E. (branch); one accusto to Store methods. Apply, with full particulars re exp ence, salary required, to "Pilsoror" (123/5), Office of Paper.

UNQUALIFIED Male Assistant, single, required for Lon business; applicant must be young, energetic, reliable penser, and keen on Photography; highest references requi Apply by letter, stating salary required, to "A. B. C." (30/ Office of this Paper.

UNQUALIFIED Assistant wanted (at once) for busy Cash b ness in West Riding; no N.H.I.; must be a smart Coun man and Window-dresser, and have knowledge of Photogra Apply to 123/22, Office of this Paper.

WANTED, a qualified Outdoor Assistant (gentleman), a 28, for good-class Retail and Dispensing business; mus a good Dispenser and Counterman, etc.; easy hours; no Su duty; Junior kept. Particulars, experience, salary, etc., p "H. T." (121/15), Office of this Paper.

WANTED (at once), till middle of September, an unqual Assistant, well up in all branches of the business; Ph graphy; good references; £4 per week; photo if possible. Chemist, Skegness.

WANTED, reliable qualified Manager (at once). Apply letter, with full particulars as to age, etc., to Harr 26 Kensington Gardens Square, Queen's Road, London.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepai

The Advertiser may, if preferred, have replies addressed to Office and forwarded on payment of an additional charge of

BIRMINGHAM.—Qualified man required for Mixed busi Manufacturing knowledge essential; prospects good fo round energetic and conscientious worker; state salary req age, when at liberty, and previous experience, first letter. 123/12, Office of this Paper.

MAN, with experience of Wholesale Surgeons' trade, req to take charge of Despatch Counter. Apply, stating previous experience, when disengaged, salary required, reference, W. A. Wharram, Ltd., Wholesale Chemists, 34 Lane, Leeds.

PACKER required, with knowledge of the Druggist Su trade, for North London; must be quick and intelli state wages and experience. Apply, in own handwritin "Worker" (122/280), Office of this Paper.

PRACTICAL man, experienced in making and preparing Essences and Colourings for Confectionery and Mineral Water Trades, uired by firm of Manufacturers of long standing. State age, perience, and salary to Mr. Chadwick, 62 Bank Chambers, W.C. 2.

REORGANISATION of Ground.—Old-established firm, manufacturing Medicated and British Pharmacopœia Lozenges, Pastes, Jubes, Wafers, Pellets, Floral and Silver Cachous, etc., etc., open to appoint first-class Representatives in England, Wales, d Scotland; good commission. Particulars, etc., to 123/36, ice of this Paper.

REPRESENTATIVE required by well-known Druggist Sundries house for London and provinces, with knowledge of the trade d good connection strictly amongst Wholesale firms. State ms, experience, and full particulars to "Energy" (122/28), ice of this Paper.

STOKER-ENGINEER wanted by Manufacturing Chemists; one usedto the trade preferred. Apply Hodgkinson, Prestons & King, 2 Bishopsgate, E.C. 2.

TRAVELLER wanted for Yorkshire, for sale of Dyes and Colours, chiefly in the non-textile trades; connection with ather, Varnish, Polish, Ink, Cabinet, and allied trades preferred; od opening for thoroughly qualified man with undeniable references. State full particulars to 43/24W, Office of this Paper.

TRAVELLERS required, on good commission, after Coal Strike settlement, calling on Chemists and Hairdressers; selected ilet Preparations, Gilt Compact Powders, Henna Preparation, c.; excellent side-line. 118/9, Office of this Paper.

WANTED, Representatives in Bath, Birmingham, Blackpool, Bristol, Cardiff, Leeds, Liverpool, Manchester, and other ge towns, to take up easy-selling, first-class quality article for emists, Druggists and Druggists' Sundriesmen, at non-competitive ices; good commission. Apply 119/27, Office of this Paper.

WET-COUNTER Hand, age 25-30, required by City Wholesale Chemists. Apply to 15/23J, Office of this Paper.

WELL-KNOWN house requires capable Representatives, on liberal commission terms, to sell wide range of Tooth-pastes in various parts of the British Isles; the get-up of these lines is highly artistic. State full particulars, lines carried, and ground covered, to 42/41, Office of this Paper.

20 PER CENT Commission.—Required, reliable Travellers, to cover the whole of Great Britain, on commission only; merican novelties in Arch Cushions, Heel Cushions, and Bunion rotectors; good margin to Retailers. Write, stating firms represented, ground covered, J. E. Franklin, 33 Harrington Street, egent's Park, London, N.W. 1.

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FAR EAST.—Wanted, Representative, travel India, Burma, and East Indies, for Manufacturing Chemists; knowledge of rugs important, knowledge of country essential; business experience indispensable. Apply 42/42, Office of this Paper.

SHANGHAI.—Assistant, British born, age about 26, with Minor qualification, for high-class Dispensing and Photographic usiness; four years' agreement; passage paid; salary 350 Mexican ollars per month, increasing by annual instalments to 400 dollars er month. Apply (letter only) to "H. L. S.," Dakin Bros., Ltd., 2 Middlesex Street, E. 1.

RETURNING PHOTOS, &c.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

SITUATIONS WANTED.

[HOME.]

RETAIL.

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A.A.A.—RELIABLE Dispenser disengaged; Locum or permanency. Write "Caution," 14 Howley Place, Paddington, London, W. 2.

A.—LOCUM (34), unqualified, 20 years Assistant, Manager, Dispenser, open June 10 to July 2, inclusive; moderate terms; any district; wire. Adams, Pearson, Cross, Sherburn-in-Elmet, Yorks.

A CAPABLE Pharmacist; 33; single; good experience, references; disengaged; moderate remuneration. "C.," 14 Alpe Street, Ipswich.

A PHARMACIST, good experience, knows Optics, Agricultural; is married, no family. "The Willows," Talke, Staffordshire.

AS Assistant, Sight-Testing (25); three years' experience; thorough knowledge of all Lenses, also of Telescope and Field Glasses. M.L. 74049, Office of this Paper.

AS Branch Manager or Locum; 39; good experience in Retail and Dispensing; excellent references; disengaged; unmarried; abstainer. Turner, 44 Macfarlane Road, Shepherd's Bush, W. 12.

AS Locum or permanency; reliable all-round Assistant; disengaged June 22nd. Apply Benson, c/o Mr. Carter, Chemist, Penzance.

AS Locum (wide experience); highest recommendations; free July and first week August. Brown, 74 West Hill, East Putney, London.

AS qualified Manager; Locum engagements; disengaged June 10; experienced, reliable, highly recommended. 39 Church Avenue, East Sheen.

ASSISTANT, unqualified; 28; good experience; willing to go abroad. M.L. 15705, Office of this Paper.

ASSISTANT (33), married, long, varied experience, town and country, capable of management, excellent credentials, at liberty shortly, desires re-engagement (owing to death of employer); permanency; prepared to take real interest in business; last berth 10 years; Western Counties preferred. 121/31, Office of this Paper.

ASSISTANT, unqualified, age 31, single, tall, requires Locum or comfortable permanency; moderate salary; any district; experienced. 121/8, Office of this Paper.

ASSISTANT, season, relief, permanent; disengaged shortly; qualified; lady (26); five years' good all-round experience; Photography. Senior, Church Walk, Melksham.

ASSISTANT; unqualified; single; town or country; good all-round experience. "Chemicus," 62 Jefferys Road, Clapham Road, S.W.

ASSISTANT, Manager, Locum (39); qualified; Photography; 22 years' sound experience; disengaged shortly. Smith, 282 Alcester Road, Moseley, Birmingham.

ASSISTANT; unqualified; good reference; 16 years last situation. Apply Neal, 6 Sandwell Crescent, Hampstead, N.W. 6.

ASSISTANT, married, desires permanency; experienced Dispensing, Prescribing, and Photographics; North preferred; well recommended. Johnson, 8 Grosvenor Terrace, Gibbet Street, Halifax.

ASSISTANT or Locum; unqualified; age 45; large and varied experience; tall; moderate salary; any district. Apply "E. C." (122/32), Office of this Paper.

ASSISTANT; unqualified; 5½ years' experience good-class Retail and Dispensing; age 25; tall; Lancs preferred; at liberty about July 15th. Apply 122/39, Office of this Paper.

ASSISTANT (unqualified), 27, married, no family, seeks permanency; used to first-class Dispensing business; good references. Apply 123/16, Office of this Paper.

ASSISTANT; 28; 10 years' experience in Retail and Wholesale Pharmacy; competent Dispenser, Salesman, and Window-dresser; used to Store business. Apply 123/35, Office of this Paper.

AT liberty on August 15th.—Assistant (unqualified), first-class Dispensing and Retail experience (nine years); excellent references; permanency desired; Midlands preferred. Stevens, "Rockside," London Road, Coalville.

BRADFORD or Leeds District; M.P.S.; wide experience; salary nominal for suitable post offered within easy reach of home. Apply 122/34, Office of this Paper.

CHEMIST'S Assistant (33); married; 12 years' experience as Apprentice and Assistant; some Surgical knowledge; can drive motor. M.L. 72718, Office of this Paper.

DISENGAGED; age 19; good General experience (indoors). Scowby, 6 Westbourne Road, Forest Hill.

DISENGAGED; Locum; thoroughly competent; experienced town or country; well recommended; very reasonable terms. "Reliable," 239 Camberwell New Road, S.E. 5.

DISENGAGED; qualified; aet. 46; wide experience; Manager or Locum; London preferred. "Chemist," 108b Elgin Avenue, W. 9.

DISPENSER; 20; served 3½ years' apprenticeship before joining Army; taking final examinations when 21. M.L. 76534, Office of this Paper.

ENERGETIC man, good appearance and address (40), married, unqualified, seeks opening; good Dispenser, Counterman; sound knowledge Agricultural and Horticultural sections; practical knowledge Photographic trade and work; careful, clean Dental Operator; last eighteen months with L.D.S., acquiring mechanical experience; savings available for investment or security; 4½ years Senior N.C.O., C.C.S., and mentioned; excellent references. Apply "Scot" (121/18), Office of this Paper.

EXPERIENCED; part or whole time; Counter, Dispensing, Books, Stock; reliable. "Locum," 122 Scott-Ellis Gardens, N.W. 8.

EXPERIENCED Assistant; disengaged; smart Salesman and Dispenser; highest references; tall, good address; town only. "Hypo," 11 James Street, Paddington.

EX-SERVICE Man desires situation as Dispenser, Pharmacist, X-Ray Operator, Apothecary, Teacher in Chemistry or Botany or Allied Subjects; 29; married; Surgeon-Sub-Lieut. R.N.V.R.; educated University College, Dublin; fluent Latin and French. M.L. 2856/21, Office of this Paper.

IMMEDIATE.—Manager or Assistant; qualified; 27; excellent experience and references; Pelmanist; North preferred. 117/19, Office of this Paper.

JUNIOR Assistant desires position, Dispensing Counter and Window-dressing; five years' good experience; Manchester or Southport district preferred. Apply to 117/17, Office of this Paper.

LADY Dispenser (Apothecaries' Hall), also Nursing experience, disengaged; excellent reference. 6 Aberdeen Road, Cotham, Bristol.

LADY Dispenser-Bookkeeper (Hall) desires post; experienced; good testimonials; S.W. district, Surrey, or S.E. Counties preferred, not essential. Apply 123/11, Office of this Paper.

LEEDS.—Qualified Dispenser, ex-Sergt. R.A.M.C., desires Locum or permanency; Chemist, Doctor, or Institution; good references. Holliday, 2 North West View, Woodhouse, Leeds.

LOCUM, qualified; 16 years' experience; 3 weeks vacant, June 20th-July 9th. Jamieson, 39 Pepys Road, S.E. 14.

LOCUM.—Experienced Assistant open for two or three weeks from 24th June; London or suburbs. Immediate replies to "Promptitude" (P.C.B. 89/8, Office of this Paper.

LOCUM; 45 years; Hall qualification; good experience; country preferred; excellent references. Clarke, 18 Clare Avenue, Hoole, Chester.

LOCUM, disengaged after June 22. 'Phone Greenwich 996, or write Mr. Bedding, c/o Mr. Bartlet, Chemist, 345 Woolwich Road, Charlton, London, S.E. 10.

LOCUM or Assistant, elderly, active, qualified; wide, varied experience; any post of trust, with light labour; Manchester or district preferred. "F. B.," 90 Lloyd Street, Greenheys.

LOCUM, qualified (38), disengaged June, July, August, September; have just sold business in West End; will undertake Locum work anywhere until October. "O. S. H.," St. Michael's, Naphill, High Wycombe.

LOCUM, qualified (28), desires engagement July; Dispensing, Photography, and Counter experience; take charge or assist. Apply "Aspirin," 5 Chelsham Road, Clapham, S.W. 4.

LOCUM, disengaged June 15th to July 15th; thoroughly experienced; London or South England territory. P.C.B. 89/36, Office of this Paper.

LOCUM.—Retired Chemist will take Locum work, in or near London. "O.," 80 Sutton Road, Muswell Hill, N. 10.

LOCUM, qualified; thorough experience; exceptional recommendations; disengaged June 27th for fortnight, September onwards. Dear, 111 Royal Parade, Eastbourne.

LOCUM, 36; thoroughly capable, reliable, and experienced; qualified; undeniable references; disengaged until June 27th and after September 17th. "P.," 32 Allandale Road, Leicester.

LOCUM; free June 20th to July 8th; Major man; excellent references; Photography. P., 1 Jubilee Terrace, Wellington Road, Nantwich.

LOCUM, qualified; reliable; elderly; reasonable terms. For dates apply "Chemist," 4 Erskine Road, Colwyn Bay, Wales.

LOCUM or Manager; South Coast; at liberty early July; excellent references. "Ph.C.," 70 Fairfield Road, Winchester.

LOCUM; 30 years' wide experience; qualified; disengaged two weeks commencing July 25th. M. Smith, c/o Desmond's, 104 Katherine Road, East Ham, London, E. 6.

LOCUM; qualified; good experience and references; disengaged June 22nd. "M.P.S.," c/o Thornton, Chemist, Bromyard, Worcester.

MANAGER or Locum; experienced, reliable; London, provincial seaside; satisfactory references. "Pharmacist," 38 Wendover Road, Harlesden, N.W.

MANAGING Holiday Assistant; Dispensing, Photo, Window dressing, and General Prescribing; good references; now vacant. "E. F.," "Belmont," Anglesea Road, Shirley, Southampton.

M.P.S., F.S.M.C., young and experienced, requires position with Chemist, preferably with an Optical connection. 117/18, Office of this Paper.

M.P.S., 27, unmarried, West-End experience, highest credentials, seeks post immediately; any capacity. Apply P.C.B. 89/39, Office of this Paper.

MR. HANDFORD, Church Gate, Torrington, desires to recommend his Apprentice (18) for a Junior Assistantship; served four years' apprenticeship; Dispensing and Counter experience. West of England preferred, not essential. "Davey," 4 Furzebeam Row, New Street, Gt. Torrington, Devon.

QUALIFIED (32), high-clas Retail, Photographic, and Hospital experience, desires permanency; Manager or Senior Assistant at liberty; excellent references; Representative's post entertained. "Rhei," 5 Vicarage Street, North Shields.

QUALIFIED, experienced Pharmacist and Optician, S.M.C., S. and O. methods, single, good managerial experience, desires post. 121/35, Office of this Paper.

QUALIFIED (Major), elderly, seeks part-time work in London. Apply 122/15, Office of this Paper.

QUALIFIED; age 26; tall; thoroughly experienced; knowledge of Photography; excellent references; shortly disengaged. Apply 107/38, Office of this Paper.

QUALIFIED; tall; young; first-class Dispensing experience; will be disengaged shortly; moderate salary. Apply 116/1 Office of this Paper.

QUALIFIED Dispenser; experienced; good Bookkeeper; free June 11th. Miss Bailey, 14 Carlingford Road, Hampstead.

QUALIFIED (23) desires post in London or S.E. Coast; five years' experience in first-class Pharmacy; knowledge Photography; disengaged June 18th. Davies, c/o Thomas, Chemist, Faversham.

STUDENT requires situation on South Coast for July and August; West-End Dispensing experience and Photography; age 2[illegible] Apply 121/23, Office of this Paper.

TEMPORARY or season; City, West-End, Hospital experience *forte*, Dispensing, Prescribing, and Manufacture. "Lychen 65 Pevensey Road, Eastbourne.

UNQUALIFIED (29); abstainer; disengaged; permanent or temporary post; any district. Nicholls, 6 Cheval Place, Knightsbridge, S.W.

£3 OR commencing offer.—Qualified lady; four years' first-class Dispensing; anywhere England or Wales. "R. S." (120/12 Office of this Paper.

£5 WEEKLY wanted by young qualified Yorkshireman, in return for efficient services; permanency in good-class business required; good references; Photography; commence immediately. Wood, 7 Adelaide Square, Bedford.

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ADVERTISER, representing well-known house, very successful Salesman, with live and wide connection, would carry another really first-class line on commission basis, with part expenses; highest references. Address 124/13, Office of this Paper.

ADVERTISER, five years' first-class experience with Chemist, desires position as Representative with Wholesale firm (Manchester and district preferred); small salary and commission. Free man, 1 Heywood Street, Manchester, N.

S Midlands Representative for a Proprietary; part expenses and commission. Apply 124/200, Office of this Paper.

S Representative; qualified Chemist; connections, Wales and W. of England; salary, expenses, and commission; only first-ss houses. "Urgent," o/o E. Poole, The Mecca, Gaol Square, fford.

SSISTANT Manager, for Wholesale Optician or Lens Manufacturer; 31; served apprenticeship with Wholesale Optians; experience as Prescription Assistant, also as Assistant nager of Lens Company and Optical Works; willing to go oad. M.L. 355/21, Office of this Paper.

'S Traveller or Buyer to Wholesale firm; good knowledge of market; exceptional experience. P.C.B. 89/360, Office of this per.

HEMICAL Trade.—Situation wanted; fluent French; 9 months' experience as Assayer, Gold, Metals, etc.; good general unding in the theory of organic chemistry. M.L. 89060, ce of this Paper.

HEMIST, Ph.C., 14 years' experience in Laboratory management, Galenicals, Pharmaceuticals, Private Formulæ, control, anisation, testing, and standardisation; would invest; responsible position required, with scope for initiative. Apply 124/17, ce of this Paper.

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ENTLEMAN, single, keen, energetic, desires post as Representative with Chemists' and Doctors' Wholesale house of good nding; Druggist or the like preferred; good business capabili-; sound knowledge; highest credentials; not afraid to work d. State terms to 121/36, Office of this Paper.

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ADY Shorthand-Typist, 25, seeks re-engagement; knowledge Drugs, Pharmaceutical Preps.; good references. Apply /8, Office of this Paper.

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ALESMAN, Manager, or Buyer in the Chemical trade; 37; single; 15 years' experience as Junior to Departmental nager, 1 year as Buyer and Salesman to Chemical Merchants, 2 years' experience as Manager of Chemical Department for eral Merchants. M.L. 2915/21, Office of this Paper.

RAVELLER, 13 years' experience, Doctors, Chemists, etc., Drugs, Vaccines, Sera, Organotherapeutics, etc., desires reagement. 122/9, Office of this Paper.

RAVELLER or Salesman; 34; ex-Service man; married; long experience as Salesman, Chemists' Sundries; willing to go oad. M.L. 4286, Office of this Paper.

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desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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of

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